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SUPERFUND FIVE-YEAR REVIEW REPORT

TRI-CITY DISPOSAL CO.
BROOKS, BULLITT COUNTY, KENTUCKY
EPA ID: KYD981028350

Prepared by:

The U.S. Environmental Protection Agency, Region IV
Atlanta, GA

and

Earth Tech, Inc.
3033 Campus Drive North, Suite 175
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April 2003

ROUTING SLIP

RE: **SECOND FIVE YEAR REVIEW**
TRI-CITY INDUSTRIAL DISPOSAL SITE
BROOKS, BULLITT COUNTY, KY

TO: **HAROLD TAYLOR**..... 04-23-03

DAVID HARBIN..... 4/8/03

FRANKLIN HILL..... 4/23/03

WINSTON SMITH..... 4/29/03

FROM: **FEMI AKINDELE**..... 4/1/03

NOTE: This is to request the Waste Division Director's signature on the subject report. Please review, sign and date. Please return to sender or call **28809** for pickup. Thank you.

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EPA Five-Year Review Signature Cover
Preliminary Information

Site Name: Tri-City Disposal Co.	**EPA ID:** KYD981028350
Region: 04 **State:** Kentucky	**City/County:** Brooks/Bullitt County
LTRA: No	**Construction Completion Date:** March 1996
Who conducted the review? (EPA Region, State, Federal Agency, Contractor) EPA REG 4, State and PRP's Consultant, Earth Tech, Inc.	
Dates Review Conducted: 11/02 – 04/03	**Dates of Site Visit:** 08/29/02 and 2/26/03
Whether first of successive review: Second Review	
Type of Review: Statutory	**Due Date: April 2003**
Trigger for this review: Last review signed 04/98	
Recycling, reuse, redevelopment site: None	

Deficiencies:
None noted.

Recommendations:
Recommendations are listed in Section IX of this report.

Protectiveness Statements:

The remedy at the Tri-City Disposal Site has been in place for ten years and continues to protect human health and the environment. Remediation measures at the site continue to remove the contaminants of concern from the three impacted springs. There have been infrequent exceedances of the performance standards but these exceedances have been insignificant and do not pose a threat to human health or the environment. Water has been provided through a water main to the residents that were affected by the contaminated springs. Currently, the impacted springs are not being used as a source of water in the area. The temporary groundwater use restrictions for the site are still in place. Performance and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

Other Comments:
None

Signature of EPA Regional Administrator or Division Director, and Date

4/29/03
Date

Winston A. Smith, Director
Waste Management Division
U.S. EPA, Region 4

List of Acronyms

ARAR	Applicable or Relevant and Appropriate Requirement
ERA	Emergency Removal Action
GAC	Granular Activated Charcoal
KDEP	Kentucky Department of Environmental Quality
KNREPC	Kentucky Natural Resources and Environmental Protection Cabinet
KPDES	Kentucky Pollution Discharge Elimination System
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goals
MW	Monitoring Well
NPL	Nation Priorities List
OU	Operable Unit
O&M	Operation and Maintenance
PAH	Polynuclear Aromatic Hydrocarbon
PCE	Tetrachloroethene
PCB	Polychlorinated Biphenyl
PRP	Potentially Responsible Party
RAO	Remedial Action Objectives
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SOW	Statement of Work
SVOC	Semivolatile Organic Compound
TCE	Trichloroethene
UAO	Unilateral Administrative Order
µg/l	micrograms per liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The remedy for the Tri-City Disposal Site near Brooks, Bullitt County, Kentucky, includes treating contaminated groundwater, providing drinkable water to affected residents, temporarily restricting groundwater usage, collecting confirmatory samples of site soils, sediment, and air to ensure that all possible areas of contamination were investigated. The affected springs are still undergoing treatment by the use of activated charcoal. Other components of the remedy include sampling of groundwater, sediment, and ecology to monitor site-related impacts.

Remedial Action construction began in June 1993 and the site achieved construction completion with the signing of the Final Construction Inspection Report in March 1996. The first five-year review was issued in April 1998. This second review of pertinent documents and site inspection has found that the remedy continues to operate as required by the Record of Decision (ROD). The remedy is functioning well to protect human health and the environment.

However, because the concentrations of contaminants in the impacted springs still exceed the MCL or non-zero MCLG, operation and maintenance of the remediation system will continue until the site's performance standards are met. Statutory five-year reviews will be conducted regularly to evaluate site conditions. The next review is scheduled for April 2008.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site name (from WasteLAN): Tri-City Disposal Co.		
EPA ID (from WasteLAN): KYD981028350		
Region: IV	State: Kentucky	City/County: Brooks/Bullitt
SITE STATUS		
NPL status: Final		
Remediation status : In Progress		
Multiple OUs?*: Yes	Construction Completion Date: March 1996	
Has the site been put into reuse: No		
REVIEW STATUS		
Lead agency: USEPA Region IV, North Site Management Branch		
Authors: Carl Shaw and Femi Akindele		
Authors' titles: Project Managers	Affiliation: Earth Tech, Inc. and USEPA	
Review period:** 12/31/97 to 03/31/03		
Date(s) of site inspection: 02/26/03		
Type of review: Statutory		
Review number: 2		
Triggering action: 1st Five-Year Review Date		
Triggering action date (from WasteLAN): April 3, 1998		
Due date (five years after triggering action date): April 2003		

*["OU" refers to operable unit]
**[Review period should correspond to the actual start and end dates of the Five-Year Review in WasteLAN]

Issues:

Most of the requirements of the ROD have already been completed. The remaining items include:

- Continuing to operate the remediation system on Cox Spring, Unnamed Spring #1, and Klapper Spring;
- Continuing to collect performance samples from the discharges of the remediation systems; and
- Continuing to collect long-term monitoring samples from monitoring wells MW-02 and MW-04 until they meet the MCLs or non-zero MCLGs for five consecutive sampling events.

The Kentucky Department of Environmental Protection (KDEP) also has the following additional concerns:

- Detections of PCB and lead in surface soil samples that KDEP collected east and south of the treatment building in 1998 and 1999;
- Detections of PCB and lead in surface and subsurface soil samples collected by KDEP in December 2001 and March 2002 from the pasture located north of the treatment building;
- Lack of restrictions against excavation and building construction within close proximity of site by local residents.

Recommendations and Follow-up Actions:

1. There are four monitoring wells at the site that are no longer used in the long-term monitoring program. These wells should be plugged and abandoned in the near future.

2. Current levels of O&M monthly inspection, performance sampling, and annual long-term monitoring at the site should be maintained.

3. Regarding the issues raised by KDEP, the potentially responsible parties (PRPs) will review the KDEP soil sampling results to determine if they exceed USEPA standards.

4. In addition, the PRPs will review the institutional controls currently in place at the site to ensure that they restrict excavation and construction activities near the site boundaries.

5. The PRPs will install signs at appropriate locations around the site to warn residents against excavation and building construction close to the site.

Protectiveness Statement:

The remedy at the Tri-City Disposal Site continues to protect human health and the environment. Remediation system for the three impacted springs remains functional and well maintained. There have been infrequent exceedances of the performance standards, but these exceedances are not considered to be a threat to human health or the environment. Water has been provided through the public water system to the residents that were affected previously by the contaminated springs. The impacted springs are not currently being used as a source of water. The temporary groundwater use restrictions are still in place and there is no known use of the groundwater in the affected area. Performance samples and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

TRI-CITY DISPOSAL CO.
BROOKS, BULLITT COUNTY, KENTUCKY
FIVE-YEAR REVIEW

I. INTRODUCTION

This is the second five-year review for the Tri-City Disposal Superfund Site located near Brooks in Bullitt County, Kentucky. The purpose of the review is to determine whether the remedy implemented at the site continues to be protective of human health and the environment.

This review is statutory pursuant to CERCLA §121 and 40 CFR §300.430(f) (4) (ii) which requires reviews every five years for those sites where hazardous substances remain on site after the remedial action construction is completed. The trigger date for the current five-year review is the date of the last review which was signed in April 1998.

The review was conducted from August 2002 through March 31 2003, by Carl Shaw, Project Manager, Earth Tech Inc. and contractor to the PRPs, Femi Akindele, USEPA Project Manager, , Ken Logsdon, Project Manager for the Commonwealth of Kentucky, Jim Forney, Project Manager for Waste Management, Inc., and Scott Hayes, O&M contractor. Community Relations activities were conducted by Dianne Barrett, USEPA Region IV. This review report was prepared by Earth Tech and USEPA project managers.

The remedy implemented at the site involves cleaning contaminated water that flows from local springs previously used by area residents. Volatile Organic Compounds (VOCs) in the spring water remain at levels above those required for unrestricted use. Therefore, a review will be conducted every five years in accordance with CERCLA and NCP requirements.

II. SITE CHRONOLOGY

The following table summarizes the dates of the important events in the chronology of the Tri-City Disposal site. Further discussion of these events are included in Section III, Background.

Table 1
Chronology of Site Events
Tri-City Disposal Site, Brooks, Bullitt County, Kentucky

Event	Date
Operation of the site as a landfill.	1964 – 1967
Lawsuit filed against the landfill and its owners results in closing the landfill.	November 1967
KNREPC conducts a preliminary assessment.	September 11, 1985
KNREPC conducts a site investigation.	April 1987
USEPA conducts additional investigations and provides local residents with drinking water.	May 1988
USEPA conducts an additional study to assess the site's potential impact on area residents from groundwater, dust, and direct contact.	June 1988
The site was proposed for inclusion on the Nation Priorities List (NPL).	June 24, 1988
The site was placed on the NPL.	March 31, 1989
USEPA conducted an Emergency Removal Action (ERA).	Aug. & Sept. 1988
Remedial Investigation/Feasibility Study (RI/FS) was published.	August 28, 1991
Record of Decision (ROD) for Operable Unit (OU) #1 was issued.	August 28, 1991
Unilateral Administrative Order (UAO) was issued.	March 16, 1992
Remedial Design Work Plan was submitted	August 1992
Remedial Design Report-OU #1 was submitted	May 1993
Remedial Action Work Plan was submitted	September 1993
Remedial Design Report-Unnamed Spring #1 was submitted	March 1994
Remedial Action (construction) started	June 22, 1993
Operation and Maintenance Plan was submitted	November 1994
Final Construction Report was submitted	November 1994
Pre-Certification Inspection was submitted	May 1995
Final Construction Inspection Report was submitted	March 1996
USEPA issued a no further action ROD for OU #2.	March 29, 1996
First Five-Year Review was conducted	April 3, 1998
Klapper Spring remediation system (fence) was constructed	May 1998
Lightning protection at the treatment system was installed	December 2000
KDEP requested additional soil sampling	December 11, 2000
Meeting involving KDEP and PRPs to discuss additional sampling	April 26, 2001
KDEP indicated that they would conduct the additional sampling	September 2001
Hooked-up the Klapper residences to the water main	May 2002

III. BACKGROUND

The Tri-City Disposal Superfund Site is located in the community of Brooks in north-central Bullitt County, Kentucky, approximately 15 miles south of Louisville. The site consists of approximately 349 acres and it is located on the south side of State Highway 1526 (also known as Brooks Hill Road), approximately four miles west of U.S. Interstate 65. The geographical coordinates for the site are 38° 2' 50.9" north latitude and 85° 46' 06.1" west longitude. The location of the site is shown on Figure 1 in Attachment A.

Physical Characteristics

The site is located within the Outer Bluegrass physiographic region of Kentucky. The Outer Bluegrass Region is characterized by deep valleys with little flat land because it is developed in interbedded limestones and shales. The easily eroded shales (Borden Formation) form valleys and the ridges between the valleys are capped by the more resistant limestones (Harrodsburgh Limestone and Salem Limestone).

Land and Resource Use

The site is in an area of small farms, woodlands, and low-density residential housing. The site is on the top of a ridge (locally referred to as Brooks Hill) that is used for farming, grazing, and low-density housing. The side of the ridge is very steep and wooded. Brushy Fork Creek is located in the valley south of the ridge. There are three springs that emanate from the side of the ridge south of the site that are impacted.

The site is currently owned by the Cox family who maintains two residences on the property. In addition, there are residences located on adjacent property to the north and west of the site.

Water service in the area is provided by the Louisville Water Company via a system of water mains. Wells are not used to provide domestic water in the area because the bedrock generally does not yield adequate water. Springs were formerly used by some of the local residents as a water source. Water service has been provided to all of the residences that were using impacted springs.

History of Contamination

The site was an industrial waste landfill operated by Tri-City Industrial Services, Inc. from late 1964 to late 1967. Most of the waste disposed at the site was scrap lumber and fiberglass insulation but there were also drummed liquid wastes and bulk liquids that were poured onto the ground. There were many citizen complaints concerning odors, fires, explosions, deposition of ash on adjoining properties, eye irritation, and breathing difficulties. These complaints lead to a lawsuit for creating a public nuisance and an indictment was served to Tri-City Industrial Services, Inc. and others in November 1967. The company president, Mr. Harry Kletter, was arrested and was released after an agreement was negotiated that the charges would be dropped if the company agreed to stop disposing of and burning waste at the site. A fire broke out at the site at about the same time as the arrest. The fire burned for about two years.

Initial Response

USEPA became involved with the site in September 1985 at the request of the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC). The KNREPC conducted a Preliminary Assessment of the property in September 1985 and conducted a Site Investigation in April 1987. The Site Investigation revealed that there were hazardous substances in the soil and waste at the site and that Klapper Spring was impacted with tetrachloroethene (PCE) at concentrations that exceeded the maximum contaminant level (MCL). The Klapper family was using Klapper Spring as a source of domestic water at that time.

USEPA conducted additional sampling and provided the Klapper family with an alternate water supply in May 1988. USEPA also discovered that the Cox family was using water from Cox Spring as a potable water source and immediately provided them with an alternative water supply. USEPA conducted a survey of potable water sources within a radius of approximately one-half mile of the site. This survey again showed PCE in Klapper Spring and elevated levels of PCE and trichloroethene (TCE) in Cox Spring. USEPA conducted an additional study to assess the site's potential impact on area residents from groundwater, dust, and direct contact in June 1988. The site was placed on the NPL in March 1989 with a Hazard Ranking Score of 33.82.

USEPA conducted an Emergency Removal Action (ERA) in August and September 1988 from an area south of the Cox, Sr. residence. The ERA was initiated when the Cox family reported that a "black ooze" was emanating from their side yard. USEPA contractors investigated the "black ooze" and found elevated levels of xylene, toluene ethylbenzene, and lead. USEPA contractors then conducted geophysical surveys and field analytical screening in August 1988 and found that waste disposal was concentrated at the southern half of the site. The ERA was conducted in August and September 1988 at the south side of the Cox, Sr. residence. The ERA involved excavating and removing approximately 165 drums, many crushed and empty drums, metal containers of various sizes, auto parts, 400 gallons of free liquids, and over 800 cubic yards of suspected contaminated soil. Several test trenches were also excavated in areas of geophysical anomalies that revealed empty drums and drums containing solids along with fiberglass insulation, wires, and ashes but no drums of liquid waste.

USEPA began a Remedial Investigation/Feasibility Study (RI/FS) in July 1989 to characterize the site and determine the nature and extent of contamination. The RI/FS was published in May 1991.

Basis for Taking Action

The basis for taking action at the site was the use of the impacted spring water as a domestic water source. The water in some of the springs on and around the site is impacted with VOCs including PCE and TCE at concentrations above the MCL or non-zero MCLGs.

IV. REMEDIAL ACTION

Remedial Action Objectives/Operable Units

Based on the results of the RI/FS and to expedite action, the site was divided into two operable units (OUs). OU #1 included the remediation of contaminated groundwater and confirmatory sampling to identify any unacceptable levels of hazardous contaminants in areas of the property not previously addressed. OU #2 was proposed to address additional measures necessary to mitigate any threat to human health or the environment identified during the confirmatory sampling in OU #1.

The Record of Decision (ROD) for OU #1 was issued in August 1991. The Remedial Action Objectives (RAOs) for OU #1, as described in the Statement of Work (SOW), are:

- Treat groundwater having contaminant concentrations in excess of MCLs or non-zero maximum contaminant level goals (MCLGs);
- Continue providing potable water to residents affected by groundwater containing contaminant concentrations in excess of MCLs or non-zero MCLGs;
- Restrict usage of groundwater for domestic purposes until monitoring indicates that the water is of sufficient and consistent quality for human consumption;
- Conduct confirmatory sampling of site soils, sediment, and ambient air to ensure that all possible areas of contamination as identified in the ROD are investigated; and
- Perform long-term monitoring of groundwater, surface water, sediment, and ecology to identify additional site-related impacts.

The confirmatory samples were collected in 1992 for OU #1 and were evaluated by USEPA to determine if there was a need for a second operable unit remedial action at the site. Based on the results of the evaluation, USEPA determined that there was no need to initiate a second operable unit at the site. Therefore, a "No Action" ROD was issued for OU #2 in March 1996.

Remedy Description

Remedial action is currently being conducted at the site to address the requirements of the ROD for OU #1. These requirements are:

- Treating contaminated groundwater,
- Continuing to provide drinkable water to affected residents,
- Temporarily restricting groundwater usage,
- Collecting confirmatory samples of site soils, sediment, and air to ensure that all possible areas of contamination were investigated (completed in 1992), and
- Performing long-term monitoring of groundwater, sediment, and ecology to identify additional site-related impacts.

Groundwater or spring water is considered remediated if sampling shows the concentrations are below the MCL or non-zero MCLG for five consecutive rounds of sampling. Locations of the sampling points are shown on Figure 2 in Attachment A.

Remedy Implementation

Treatment of Contaminated Spring Water

Remedial action began in May 1994, and is conducted to clean up impacted water from three springs at the site. PCE concentrations in these springs have been consistently higher than the MCLs and non-zero MCLGs. Therefore, remediation is still in progress at this time. Cox Spring and Unnamed Spring No. 1 have been undergoing treatment since May 1994 and Klapper Spring has been undergoing treatment since April 1998. The treatment in Cox Spring and Unnamed Spring No. 1 involves collecting the spring water and pumping it through a granular activated charcoal (GAC) treatment system. Once treated, the water is returned to the springs. A schematic of the treatment process is included in Figure 3 in Attachment A.

Klapper Spring has had only sporadic detections of PCE that exceed the MCL or non-zero MCLG. The remedial action involves enclosing Klapper Spring and an area approximately 50 feet down-stream with a chain link fence to limit access to the impacted water. This remedial action limits access to the impacted water for the short distance required for the PCE to naturally air-strip from the water.

The discharge from the treatment systems is required to meet a performance standard that is the lower of the MCL/non-zero MCLG or Kentucky Pollution Discharge Elimination System (KPDES) standard. Discharge samples are collected monthly and are analyzed for selected VOCs. The performance standards are shown in Table 2.

Table 2
Performance standards
Tri-City Disposal, Brooks, Bullitt County, Kentucky

Constituent	MCL/non-zero MCLG (µg/L)	KPDES (µg/L)
Chloroform	100	15.7
1,1-Dichloroethene	7	1.85
cis-1,2-Dichloroethene	70	1.85
trans-1,2-Dichloroethene	100	1.85
Tetrachloroethene	5	8.85
Toluene	1,000	424,000
1,1,1-Trichloroethane	200	1,030,000
Trichloroethene	5	80.7
Vinyl Chloride	2	525
Xylenes	10,000	no criteria

All results from the discharge of the treatment systems at Cox Spring and Unnamed Spring No 1 have been within the performance standards. Klapper Spring has had six occasions over the past five years when the water discharging from the remediation system (fence) slightly exceeded the performance standard for PCE. The performance sampling results for Cox Spring, Unnamed Spring No. 1, and Klapper Spring are included in Attachment B.

There have been times when the monthly inspection discovered that the treatment system was not operating. In each case, the cause of the problem was quickly identified and was corrected as soon as possible. The most common reason for the remediation system to be down was lightning strikes to the system's electrical controls. Lightning protection was installed in December 2000 to help minimize the effects of the frequent lightning strikes. The Cox Spring system was also down in 2000 due to the property owner inadvertently cutting the pump controller line from the treatment building to Cox Spring. Instead of fixing the controller line, a float switch was installed in the holding tank at Cox Spring.

Provision of Potable Water

Potable water is continuing to be provided to the affected residents. The two Cox residences and the two Klapper residences are connected to the Louisville Water Company water main. The Cox residences were connected to the water main in 1995 and the two Klapper residences were connected to the water main in May 2002. Prior to connecting the two Klapper residences to the water main, the residences were provided water via cisterns that were replenished with potable water via tanker truck on an as-needed basis. The cost to connect the residences to the water main and the cost of the potable water to the Klapper residences prior to connection to the water main were paid by the PRPs.

Temporary Restriction of Groundwater Usage

Temporary restriction of groundwater usage is still in effect and site visits show that the water from the affected springs is not being used as a domestic water source. The collection system used at Cox Spring to provide water to the Cox residences was dismantled to construct the remediation collection system so it is not possible for the water from Cox Spring to be used by the Cox families. The Klapper Spring collection system has also been taken out of service and is surrounded by a chain link fence so it is not currently being used by the Klapper residences for domestic use. The Unnamed Spring No. 1 was never used as a domestic water source and site inspection confirms that it is not currently being used.

Confirmatory Sampling

Confirmatory samples were collected during an investigation conducted by Rust Environment & Infrastructure (now Earth Tech) in 1992. The confirmatory sampling involved collecting and analyzing surface soil, subsurface soil, surface water, and sediment samples. The results of the sampling indicated that there was no unacceptable risk presented to human health or the environment from surface soil, subsurface soil, surface water, or sediment at the site

Long-Term Monitoring

Long-term monitoring is continuing at the site in accordance with the Field Sampling Plan, dated October 1992. The plan calls for long-term monitoring of five springs and six groundwater monitoring wells and ecological monitoring consisting of surface water, sediment, and toxicity testing. The following provides a summary of the current status of the long-term monitoring program.

- **Cox Spring, Unnamed Spring No. 1, and Klapper Spring** – These springs are currently undergoing remediation and are not included in the long-term monitoring program. However, long-term samples are also being collected periodically to track the concentrations of contaminants in the spring water. Since the concentrations exceed the MCL or non-zero MCLG at least some of the time in each of the springs, remediation is continuing. Plots of the long-term monitoring data for PCE in these springs are included in Attachment B.

- **Brading Spring No. 2** - Brading Spring No. 2 was sampled from 1992 through 1998. There were no exceedances of the MCLs or non-zero MCLGs since 1994. Therefore, the long-term monitoring of Brading Spring No. 2 is complete.

- **Cattle Spring** - Cattle Spring was sampled according to the long-term monitoring program from 1992 through 1998. Since there were no exceedances of the MCLs or non-zero MCLGs, the long-term monitoring of Cattle Spring was discontinued.

- **Groundwater Monitoring Wells** - Groundwater samples have been collected from six groundwater monitoring wells at the site. Monitoring well MW-02 has shown detections of VOCs that exceed the MCLs or non-zero MCLGs each time it has been sampled so it continues to be monitored on an annual basis. Monitoring well MW-04 has had periodic detections of VOCs that exceed the MCLs or non-zero MCLGs. Because this well has not had five sampling events in a row that do not exceed the MCLs or non-zero MCLGs, it continues to be monitored on an annual basis. MW-05 has had no detections that exceed the MCLs or non-zero MCLGs since 1997 so long-term monitoring of MW-05 is complete. Monitoring wells MW-08, MW-11, and MW-12 had no exceedances during the five years that they were sampled so long-term monitoring is complete. For monitoring wells MW-02 and MW-04, monitoring will continue until there have been five consecutive sampling events without an exceedance of the MCLs or non-zero MCLGs. Plots of the long-term monitoring data for PCE in monitoring wells MW-02, MW-04, and MW-05 are included in Attachment B.

- **Ecological Monitoring** - Ecological monitoring was conducted fourth quarter 1992 (baseline), third quarter 1993, and third quarter 1997. The monitoring involved collecting surface water and sediment samples for VOCs, semivolatile organic compounds (SVOC), and metals analyses, and collecting water samples for toxicity testing (water spider and flathead minnow survival and reproduction tests). The fifth year sampling event was conducted in July 1997 and the results showed that there were no exceedances of the MCLs or non-zero MCLGs in the surface water and sediment, and that the surface water was not toxic. Evaluation of these results indicates that the site does not pose an adverse effect on the ecology of Brushy Fork Creek.

System Operation/Operation and Maintenance (O&M)

The PRPs are conducting O&M of the treatment systems, discharge monitoring of the treatment system effluent, and long-term monitoring according to the O&M Plan. The primary activities include:

- Operating the treatment system for Cox Spring and Unnamed Spring No 1;
- Inspecting the treatment system (fencing) at Klapper Spring;
- Collecting performance samples from the treatment systems on a monthly basis;
- Conducting a monthly inspection of the site and the systems;
- Conducting long-term monitoring; and
- Recording O&M activities monthly on a system operation and inspection log.

The O&M costs incurred for the site include routine inspection and maintenance, granular activated carbon drums, collecting and analyzing performance samples, collecting and analyzing long-term monitoring samples, and reporting. The following table summarizes the O&M costs incurred at the site during the past five years.

Table 3
Operations and Maintenance Costs*
Tri-City Disposal, Brooks, Bullitt County, Kentucky

From	To	Total Cost**
1/1/98	12/31/98	$485,000
1/1/99	12/31/99	$68,000
1/0/00	12/31/00	$32,000
1/1/01	12/31/01	$55,000
1/1/02	12/31/02	$38,000

* O&M costs also include the cost of water hookup and agency oversight.
** Costs are rounded to the nearest $1,000.

V. PROGRESS SINCE THE LAST REVIEW

The following progress has been made at the site since the last five-year review:

- The remediation system (fence) was installed at Klapper Spring.
- The two Klapper residences were provided with potable water via extending the water main. It is no longer necessary to truck water to fill the cisterns at the residences.
- Lightning protection was installed at the building that houses the Cox Spring and Unnamed Spring #1 treatment systems.
- Long-term monitoring has been completed at monitoring well MW-05.
- Discussions have been held by the PRPs and KDEP concerning additional soil sampling at the site. A meeting was held to discuss KDEP's concerns and several sampling plans were submitted. KDEP rejected PRP's proposals and opted to conduct the sampling. The sampling results have been recommended for evaluation and PRP follow-up in this report.

VI. FIVE-YEAR REVIEW PROCESS

Administrative Components

USEPA Region IV, the Commonwealth of Kentucky and the PRPs collaborated in conducting this five-year review. The PRPs were represented by Waste Management Inc. and their contractor, Earth Tech, Inc. Earth Tech completed the draft report in January 2002 and prepared a revised report after addressing comments from USEPA and the State in March 2003. This final version of the report was prepared by USEPA.

Document Review

The documents reviewed during this five-year review include:

• 1st Five-Year Review Report	April 3, 1998
• Record of Decision, OU #1	August 1991
• Remedial Action Statement of Work	August 1991
• Unilateral Administrative Order	March 4, 1992
• Record of Decision, OU #2	March 1996
• Operation and Maintenance Plan	November 1994
• Monthly System Operation and Inspection Logs	1998-2002
• Performance Sampling Results	1998-2002
• Long-Term Sampling Results	1998-2002

Data Review

The data reviewed for this five-year review include the following. All of these items are included in Attachment B.

- Monthly discharge monitoring results; and
- Plots of PCE levels versus time for long-term sampling results.

Site Inspection

A joint inspection of the site was conducted by USEPA, KDEP, and Earth Tech on February 26, 2003, as part of this review. The following observations were made during the inspection.

- The remediation building for Cox Spring and Unnamed Spring #1 was properly secured with a padlock.
- The remediation systems were both operating properly.
- The lightning protection system was operating properly.
- The building contained five virgin GAC drums and no spent GAC drums.
- The fence surrounding Klapper Spring was secure.
- The springs were not being used as a source of domestic water by local residents.
- The three monitoring wells sampled periodically were secure and functional.
- There are four monitoring wells at the site which are no longer used in the monitoring

program that should be abandoned.

- The State representative provided a sample location map and sampling results for soil samples collected at the site in December 2001 and March 2002.

Community Involvement Activities

In March 2003, USEPA announced that the remedy at the site was under review in the local newspaper, conducted telephone interviews with local residents and invited comments on activities related to the site. Responses to the interviews were mixed. Some people were pleased overall and some expressed displeasure with the method and extent of the cleanup implementd at the site. In any case, no one identified a specific problem to indicate that the objectives of the remedy at the site are not being met currently. Copies of the telephone interviews are in Attachment E.

Results of this review will be summarized and reported to the public in a fact sheet and published in the local newspaper by USEPA. Copies of the entire report will be placed in the USEPA record center in Atlanta Georgia, the USEPA website and the repository for the site at Ridgeway Memorial Library, 127 Walnut Street, Shepherdsville, Kentucky.

VII. TECHNICAL ASSESSMENT

Question A: Is the remedy functioning as intended by the decision documents?

The review of documents, applicable or relevant and appropriate requirement (ARARs), risk assumptions, and the results of the site inspection indicate that the remedy is functioning as intended by the ROD. The remedial actions have achieved the objectives of minimizing exposure to affected spring water.

The remediation systems sometimes do not operate due to equipment problems. The most common problems have been the result of lightning strikes that burn out the pump controller circuitry. A lightning protection system was installed to minimize the outages due to lightning strikes. In another case, Mr. Cox cut the controller line to Cox Spring while doing some grading on his property. In both cases, the problems were fixed and the systems were back on line as soon as possible. In the case of Klapper Spring, the discharge at the fence line occasionally exceeds the performance standard. There were six monthly performance samples from Klapper Spring that exceeded the performance standard over the five years of monthly monitoring conducted at the spring. These exceedances are not considered a threat to human health or the environment because the VOCs quickly air strip from the water and the area is inaccessible due to the rugged terrain.

Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

There have been no changes to the physical conditions of the site or the adjacent land use that would affect the protectiveness of the selected remedy. The RAOs for the site are still valid and are in effect at the site.

Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

There has been no other information that has come to light that could call into question the protectiveness of the remedy.

Technical Assessment Summary

In summary, no significant issues were noted during the five-year review of the remedial action components. Water continues to be provided to the affected residents and a water main was installed to better ensure delivery of potable water. The long-term sampling shows that much of the site is no longer impacted and that long-term monitoring in those areas is complete. Long-term monitoring has also demonstrated that the concentrations of contaminants in the impacted springs are generally decreasing with time. The treatment systems are effectively cleaning up the water that discharges from the springs. Occasionally, the remediation systems have encountered mechanical problems. These are usually repaired immediately to minimize down-time. Concentrations of VOCs in the water samples sometimes exceed performance standards. Nevertheless, concentration trends for the compounds have continued to decline since the last five-year review. Therefore, the remedy at the site is performing satisfactorily and continues to provide human health and environmental protection.

VIII. ISSUES

Most of the requirements of the ROD have already been completed. The remaining items include:

- Continuing to operate the remediation system on Cox Spring, Unnamed Spring #1, and Klapper Spring;
- Continuing to collect performance monitoring samples from the discharges of the remediation systems; and
- Continuing to collect long-term monitoring samples from monitoring wells MW-02 and MW-04 until the results meet the MCLs or non-zero MCLGs for five consecutive sampling events.

In addition, there are four wells (MW-05, MW-08, MW-11, and MW-12) at the site that are no longer used in the long-term sampling program and they should be abandoned.

KDEP raised three issues at the time of the site inspection. The issues are as follows:

- KDEP reiterated their concern about surface soil east and south of the treatment building based on samples collected by KDEP in 1998 and 1999.
- KDEP provided the results of surface and subsurface soil samples that they collected near the houses in December 2001 and from the pasture located north of the treatment building in March 2002. The results show that there are no concerns in the soil around the houses. The results are included in Attachment D.
- KDEP expressed concern about apparent lack of restrictions against excavating and land disturbance within close proximity of the site by local property owners.

IX. RECOMMENDATIONS AND FOLLOW-UP ACTIONS

It is necessary to maintain the current O&M monthly inspection, monthly performance sampling, and annual long-term monitoring at the site. In addition, there are four monitoring wells at the site that are no longer used in the long-term monitoring program that should be abandoned.

Regarding the issues raised by KDEP, the PRPs will review the KDEP soil sampling results to determine if they exceed USEPA standards. In addition, the PRPs will review the institutional controls currently in place at the site to ensure that they restrict excavation and construction activities within close proximity of the site and to maintain remedy integrity. The follow up actions recommended for the site are included in Table 4.

Table 4
Five-Year Review Follow Up Actions
Tri-City Disposal, Brooks, Bullitt County, Kentucky

Action	Responsible Party	Oversight Agency	Milestone Date	Affects Protectiveness	
				Current	Future
Abandon unused wells	PRPs	USEPA	Sept. 2003	No	No
Continue O&M Inspections	PRPs	USEPA	Ongoing	No	Yes
Continue Performance Monitoring	PRPs	USEPA	Ongoing	No	Yes
Continue Long-Term Monitoring	PRPs	USEPA	Ongoing	No	Yes
Review KDEP Soil Sampling Results	PRPs	USEPA	Sept. 2003	No	No
Review Institutional controls and address deficiencies as necessary	PRPs	USEPA	Sept. 2003	No	No

X. PROTECTIVENESS STATEMENT

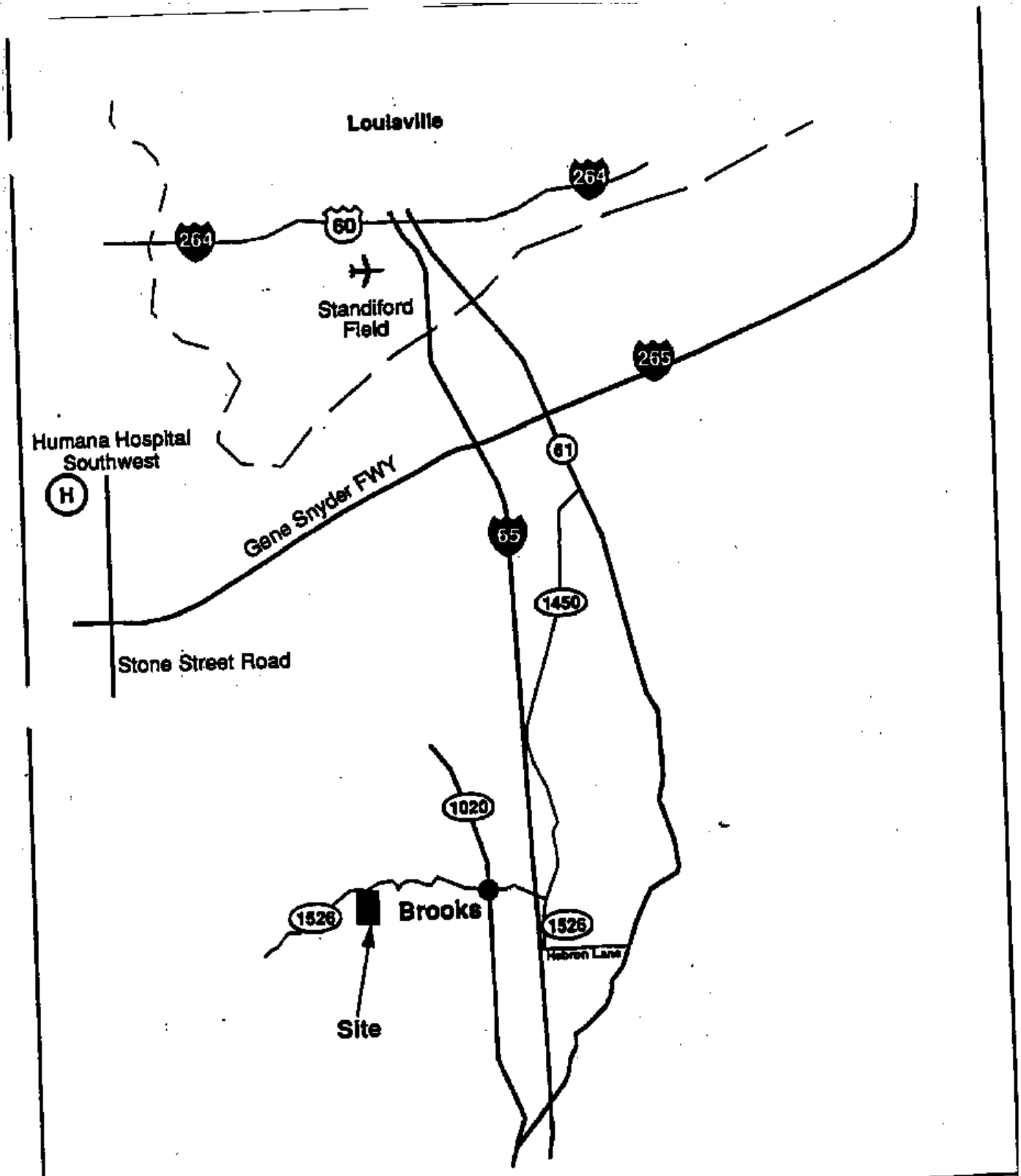
The remedy at the Tri-City Disposal Site currently protects human health and the environment. Remediation measures at the site continue to remove the compounds of concern from the three impacted springs. There have been infrequent exceedances of the performance standards but these exceedances are not considered to be a threat to human health or the environment. Water has been provided through a water main to the residents that were affected by the contaminated springs. The impacted springs are not currently being used as a source of water. The temporary groundwater use restrictions are still in place and there is no known use of the groundwater in the affected area. Performance samples and long-term samples continue to be collected as required by the ROD. The results of the long-term sampling show that the concentrations of contaminants in the groundwater are, in general, declining with time.

XI. NEXT REVIEW

The next five-year review is scheduled for April 2008.

Attachment A

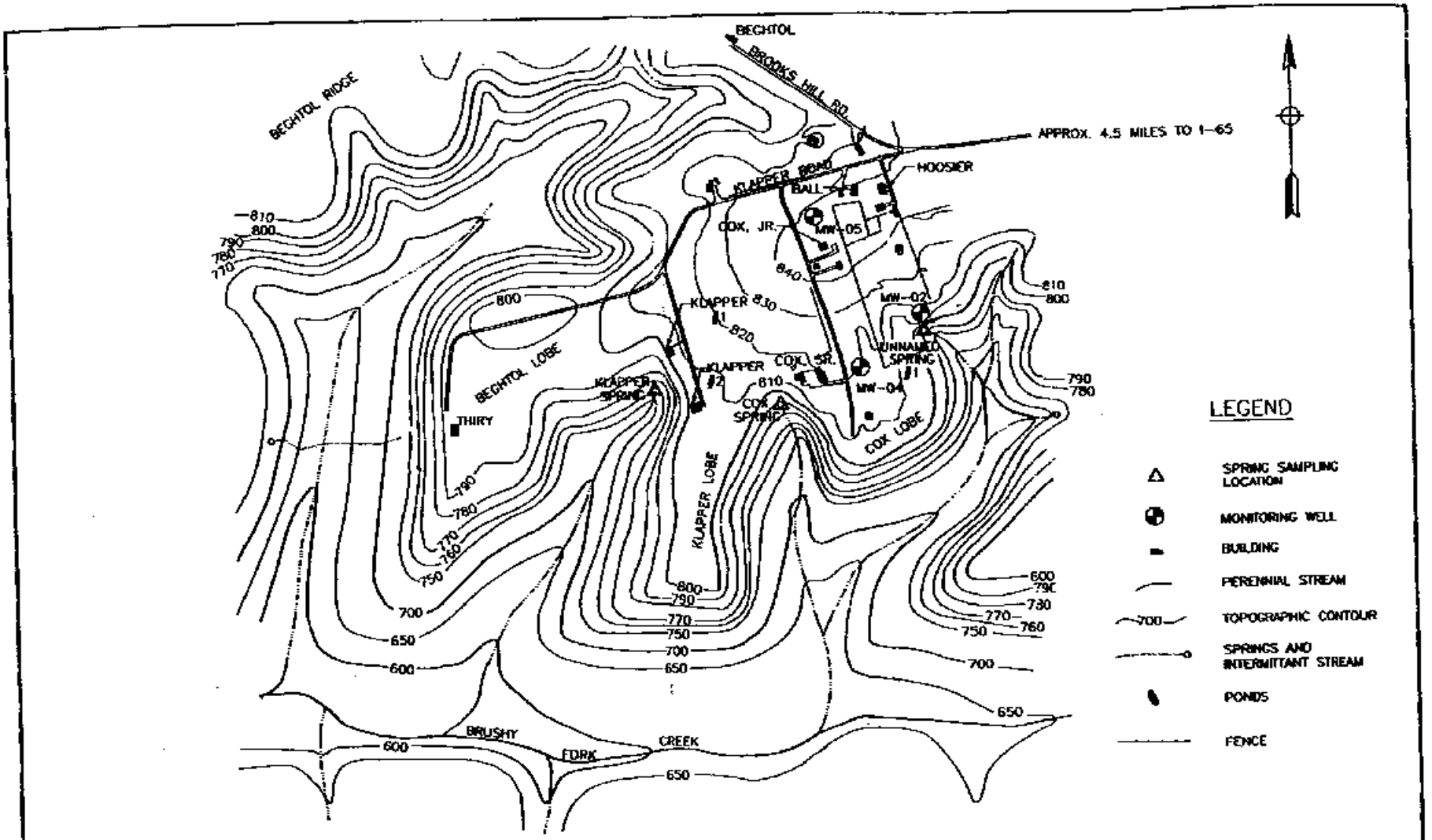
Figures



Not to Scale

EARTH TECH
GLOBAL ENVIRONMENTAL SERVICES

Figure 1
Site Location Map
Tri-City Industrial Disposal Site
Bullitt County, Kentucky



REFERENCE: TOPOGRAPHIC CONTOURS DIGITIZED FROM FIGURE 1.3 CONTAINED IN FINAL REMEDIAL INVESTIGATION REPORT, AUGUST 1990, PREPARED BY EBASCO SERVICES, INC.

SCALE IN FEET

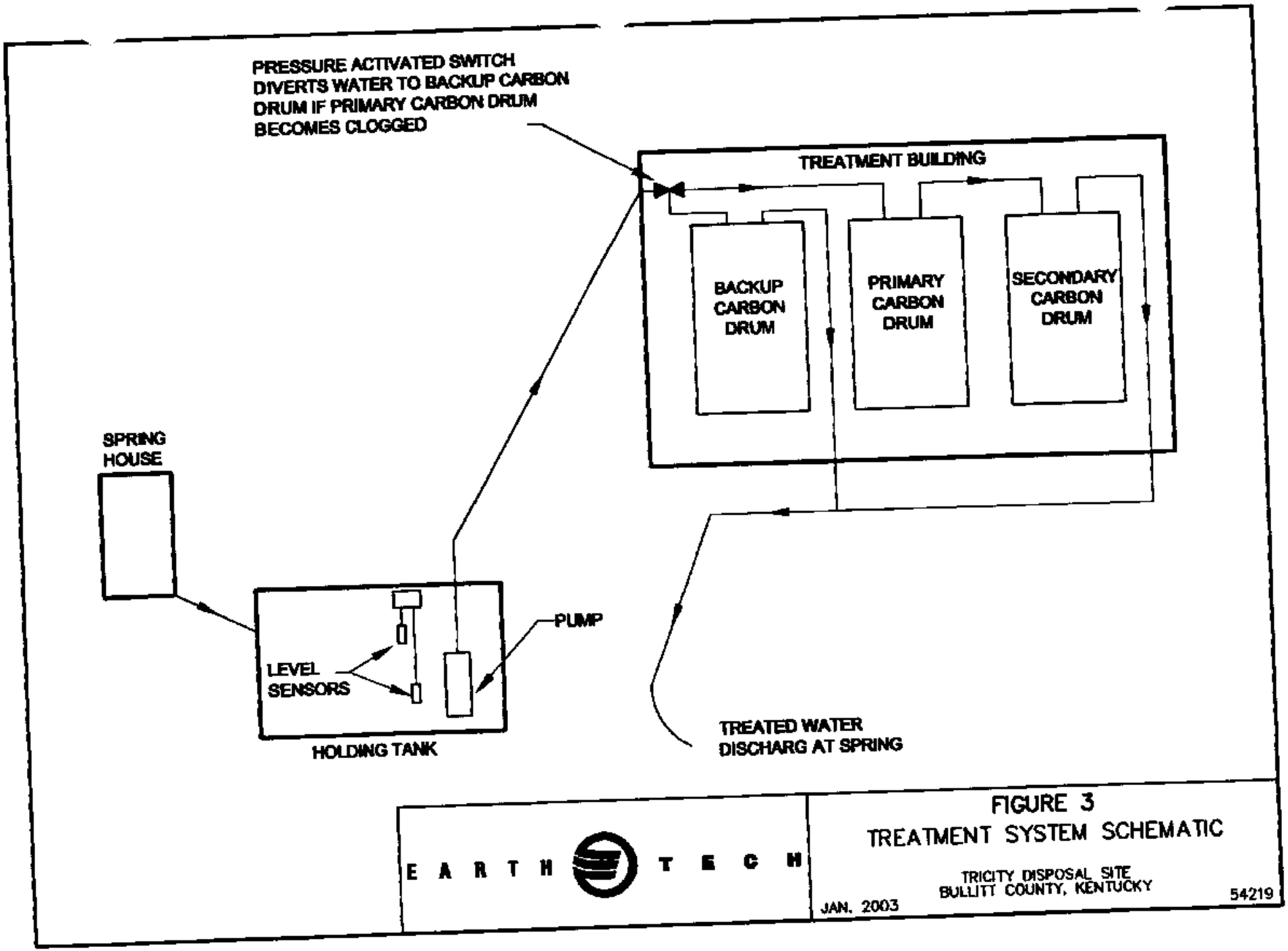
0 400' 800' 1200'

EARTH TECH

FIGURE 2

SITE FEATURES

TRI-CITY INDUSTRIAL DISPOSAL SITE
BULLITT COUNTY, KENTUCKY


PRESSURE ACTIVATED SWITCH
DIVERTS WATER TO BACKUP CARBON
DRUM IF PRIMARY CARBON DRUM
BECOMES CLOGGED
TREATMENT BUILDING
BACKUP
CARBON
DRUM
PRIMARY
CARBON
DRUM
SECONDARY
CARBON
DRUM
SPRING
HOUSE
PUMP
LEVEL
SENSORS
HOLDING TANK
TREATED WATER
DISCHARG AT SPRING
EARTH TECH
FIGURE 3
TREATMENT SYSTEM SCHEMATIC
TRICITY DISPOSAL SITE
BULLITT COUNTY, KENTUCKY
JAN. 2003
54219

Attachment B

Long-Term and Performance Sampling Results

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING AND UNNAMED SPRING NO. 1
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	Nov. 1997		Dec. 1997		Jan. 1998		Feb. 1998		Mar. 1998		Apr. 1998	
		Cox	UN#1	Cox	UN#1	Cox	UN#1	Cox	UN#1	Cox	UN#1	Cox	UN#1
Chloroform	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	µg/L	0.40J	<0.5	0.50	NS	0.55	<0.5	0.33J	<0.5	0.51	<0.5	0.70	<0.5
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	NS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylene	µg/L	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	May 1998			June 1998			July 1998			Aug. 1998			Sep. 1998			Oct. 1998		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	<1.0	0.23	<1.0	<1.0	<1.0	0.10	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry
Cis-1,2-Dichloroethene	µg/L	1.2	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	1.1	Dry	0.87	<0.5	<0.5	0.43	<0.5	<0.5	0.30	<0.5	Dry
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry
Tetrachloroethene	µg/L	<1.0	<1.0	2.8	<1.0	<1.0	6.5	<1.0	0.14	Dry	<1.0	<1.0	0.35	0.11	<1.0	<1.0	<1.0	<1.0	Dry
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	0.11	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	0.17	Dry	0.19	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	Dry
Xylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	Nov. 1998			Dec. 1998			Jan 1999			Feb. 1999			Mar. 1999			Apr. 1999		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	µg/L	NS	NS	NS	<0.5	<0.5	0.15	<0.5	<0.5	0.16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trans-1,2-Dichloroethene	µg/L	NS	NS	NS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	µg/L	NS	NS	NS	<1.0	<1.0	15.0	<1.0	<1.0	15.0	<1.0	<1.0	3.7	<1.0	<1.0	1.2	<1.0	<1.0	0.24
Toluene	µg/L	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/L	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	NS	NS	NS	<1.0	<1.0	0.37	<1.0	<1.0	0.31	<1.0	<1.0	<1.0	<1.0	<1.0	0.20	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	NS	NS	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylene	µg/L	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	May 1999			June 1999			July 1999			Aug. 1999			Sep. 1999			Oct. 1999		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Cis-1,2-Dichloroethene	µg/L	<0.5	<0.5	0.84	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	<0.5	Dry
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	<0.5	Dry
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	Dry
Xylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	Dry

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	Nov. 1998			Dec. 1998			Jan 2000			Feb. 2000			Mar. 2000			Apr. 2000		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #3	Klp	Cox	UN #3	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	µg/L	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS	NS	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	May 2000			June 2000			July 2000			Aug. 2000			Sep. 2000			Oct. 2000		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
Cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	Dry	Dry	<0.5	Dry	Dry
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	Dry	Dry	<1.0	Dry	Dry
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	Dry	Dry	<2.0	Dry	Dry
Xylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<2.0	<2.0	Dry	<2.0	Dry	Dry	<2.0	Dry	Dry

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	Nov. 2000			Dec. 2000			Jan. 2001			Feb. 2001			Mar. 2001			Apr. 2001		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	1.9	0.95	<1.0	Dry	<1.0	<1.0	Dry
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry
Xylene	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	May 2001			June 2001			July 2001			Aug. 2001			Sep. 2001			Oct. 2001		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	1.2	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry
Tetrachloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Trichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry
Vinyl Chloride	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry
Xylene	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry

NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	Nov. 2001			Dec. 2001			Jan. 2002			Feb. 2002			Mar. 2002			Apr. 2002		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,2-Dichloroethene	µg/L	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	**6.8**	<1.0	<1.0	<1.0	<1.0	<1.0	**16.0**	<1.0	<1.0	**14.0**
Toluene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.38	<1.0	<1.0	0.43
Trichloroethene	µg/L	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylene	µg/L	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

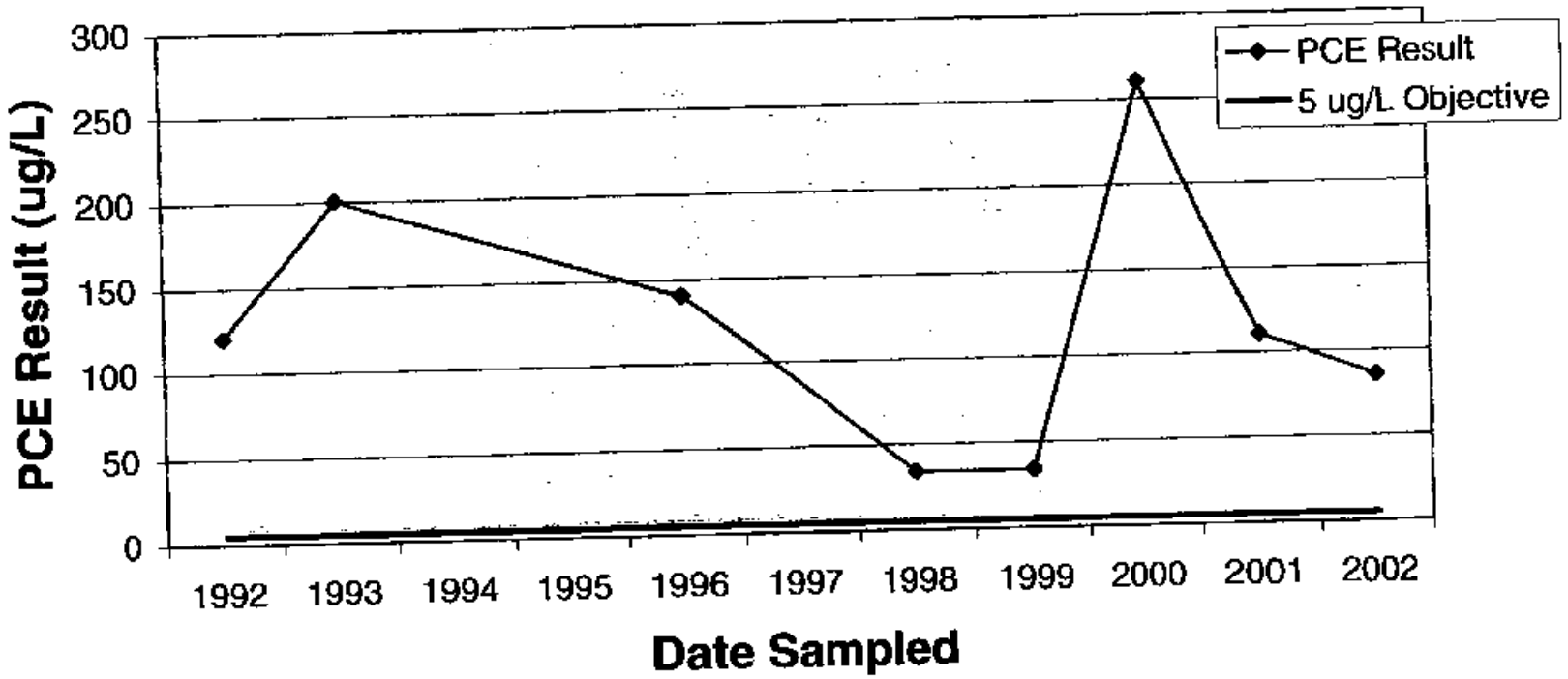
NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

TABLE 1
SUMMARY OF PERFORMANCE MONITORING RESULTS IN COX SPRING, UNNAMED SPRING NO. 1, AND KLAPPER SPRING
TRI-CITY INDUSTRIAL DISPOSAL
BROOKS, BULLITT COUNTY, KENTUCKY

ANALYTE	Units	May 2002			June 2002			July 2002			Aug. 2002			Sep. 2002			Oct. 2002		
		Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp	Cox	UN #1	Klp
Chloroform	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,2-Dichloroethene	µg/L	NS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	<0.5	<0.5	Dry	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	µg/L	NS	<1.0	0.73	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
Toluene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	<1.0	<1.0	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylene	µg/L	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	Dry	<2.0	<2.0	Dry	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

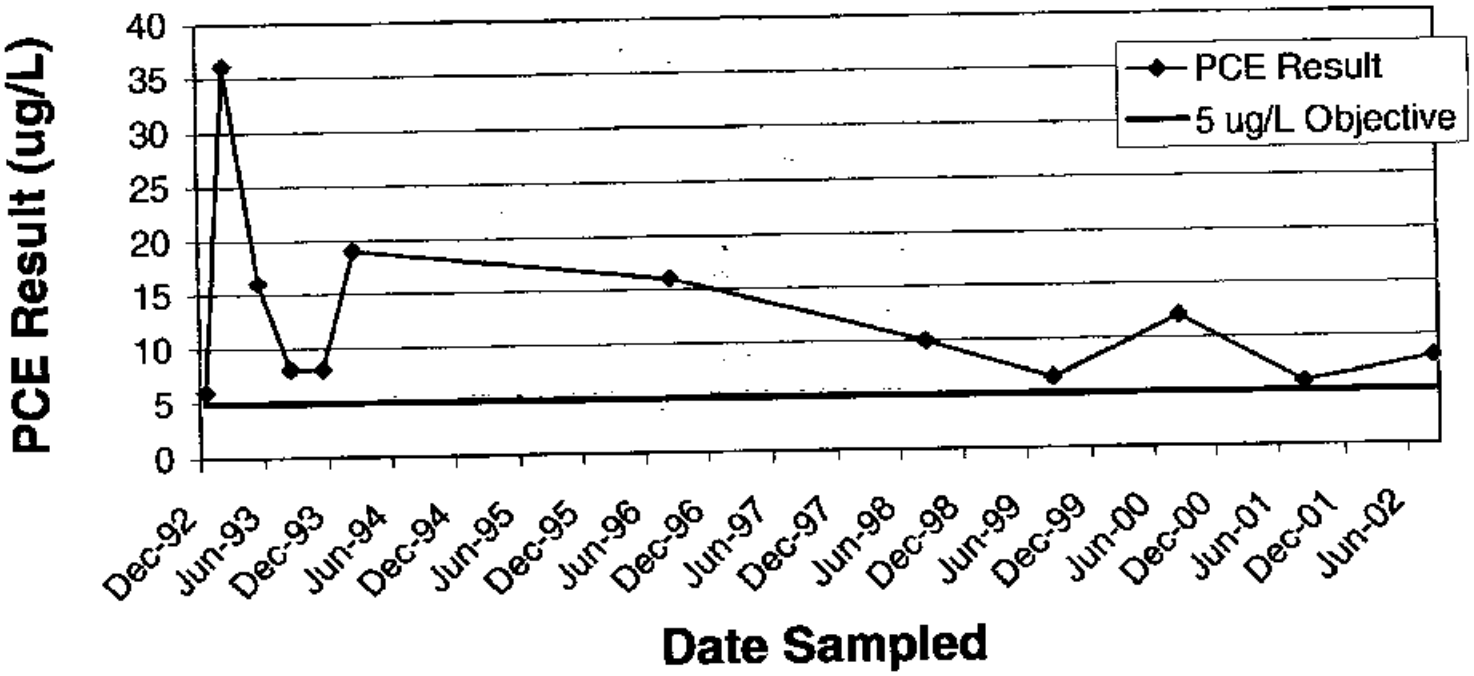
NS Not sampled
Dry Spring was dry and was not sampled
J Estimated value below the method detection limit
Bold Performance monitoring result exceeds the performance standard

PCE Long-Term Monitoring Results
Cox Spring



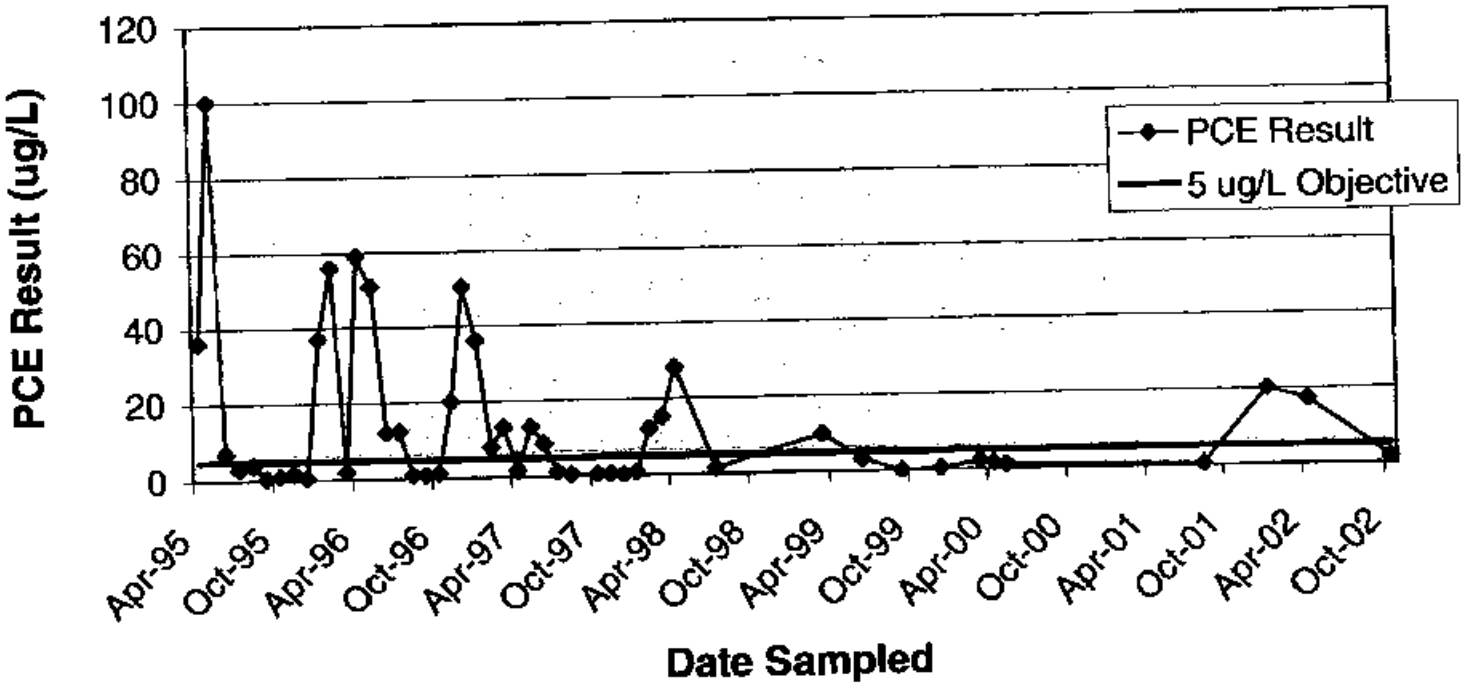
Note: This spring is undergoing treament to remove PCE to below the performance standard.

PCE Long-Term Sampling Results
Unnamed Spring #1



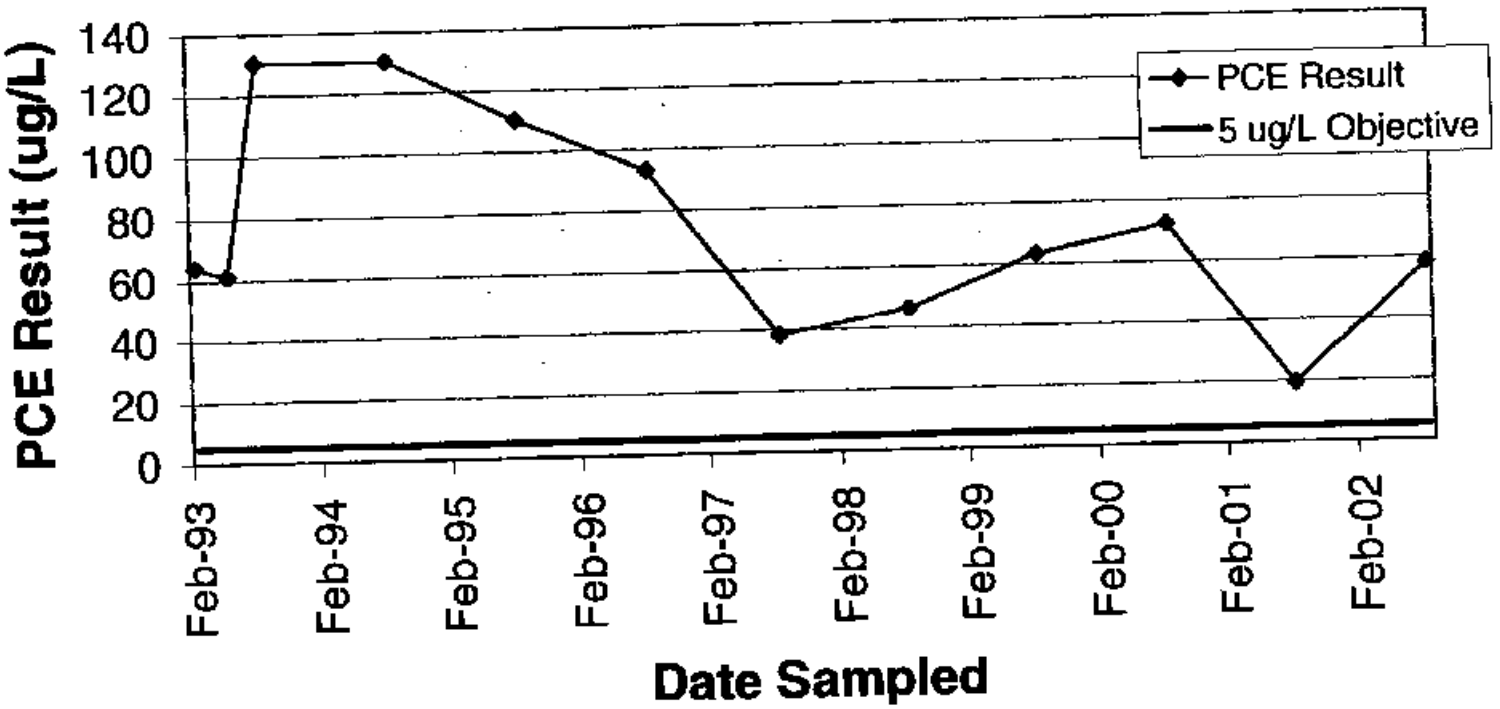
Note: This spring is undergoing treament to remove PCE to below the performance standard.

PCE Long-Term Sampling Results
Klapper Spring



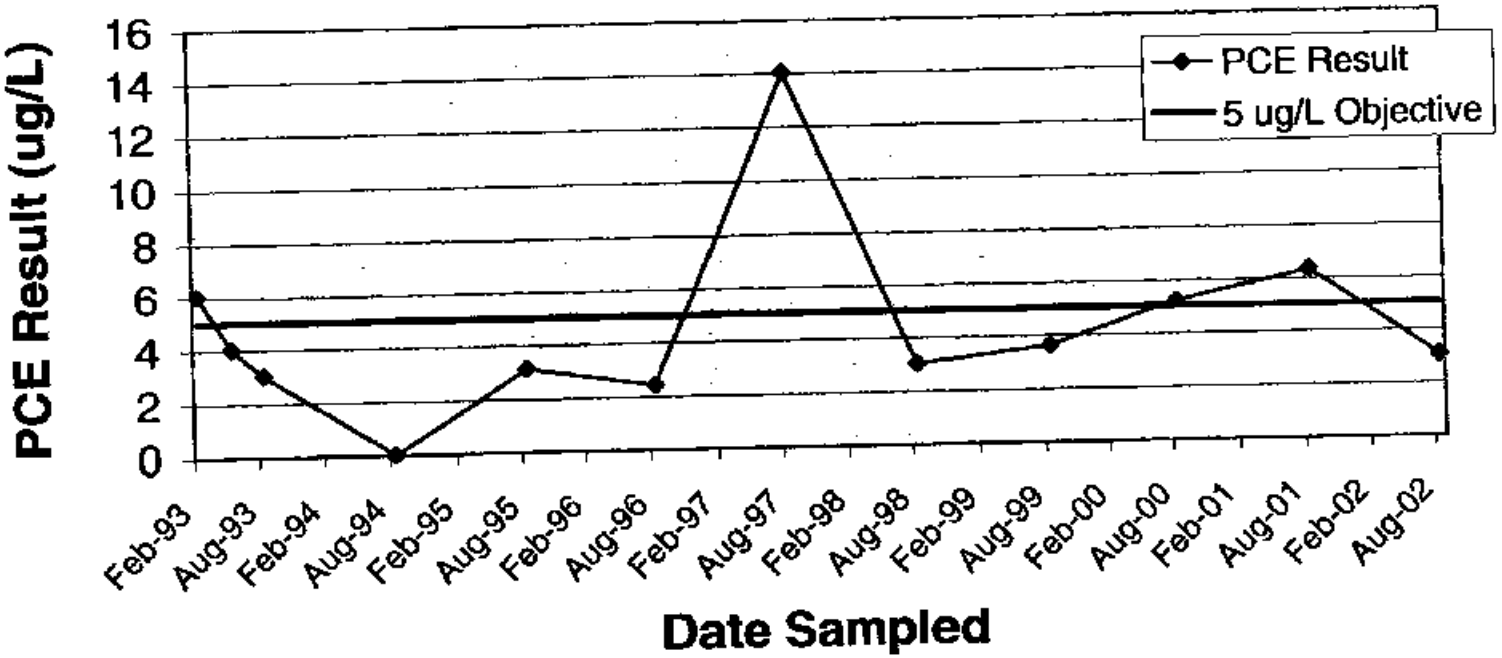
Note: This spring is undergoing treament to remove PCE to below the performance standard.

PCE Long-Term Sampling Results
MW-02



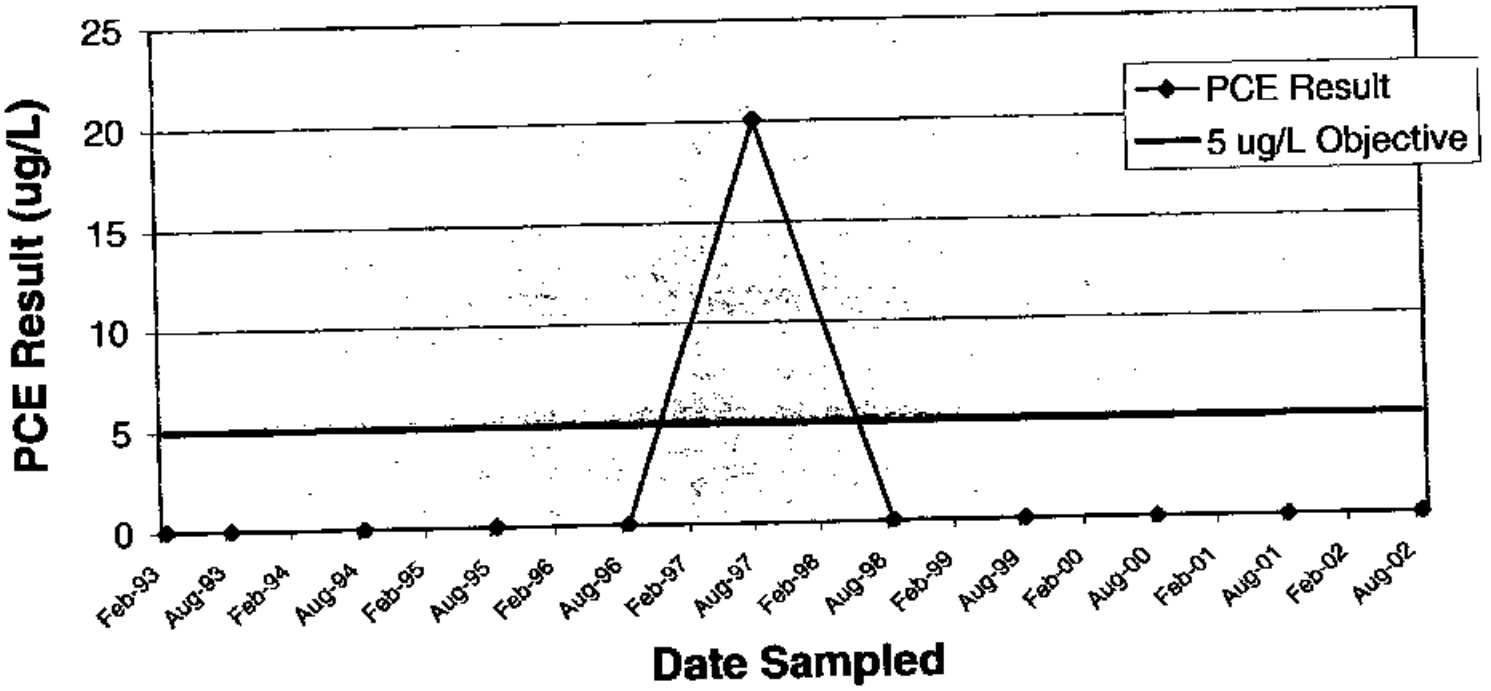
Note: This well has had detections that exceed the performance standard so long-term monitoring will continue in this well.

PCE Long-Term Sampling Results
MW-04



Note: This well has had detections that slightly exceed the performance standard so long-term monitoring will continue in this well.

PCE Long-Term Sampling Results
MW-05



Note: This well has had five consecutive sampling events that are below the performance standard so long-term monitoring is completed for this well.

Attachment C

Monthly System Operation And Inspection Logs

T+C CONTRACTING, INC.
6301 PENDLETON ROAD
P.O. BOX 72398
LOUISVILLE, KENTUCKY 40272-0398

502/937-3433
FAX/937-8636

Mr. James Forney
Waste Management Inc.
1725 Newburgh Rd., Suite #100
Livonia, MI. 49152

RE: Tri-City Disposal Site, Operation\Maintenance Report (1-98).

Mr. Forney;

On 2-2-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2-25-5 Time: 4 pm Operator: Scott Hawks

Ambient Temp. (°F) 50 Weather Conditions: PC

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 9.5 psig
3. Flow meter reading: 209684 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 187949 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A ☐		☐

Treatment Building

13. Number of spent carbon drums in building. 0

14. Number of virgin carbon drums in building. 54

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #	
7	unnormal spring build up and causing electrical wiring to buzz at contact

Additional Facility Information:

T+C CONTRACTING, INC.
6301 PENDLETON ROAD
P.O. BOX 72398
LOUISVILLE, KENTUCKY 40272-0398

502/937-3433
FAX/937-8636

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (2-98).

Mr. Forney;

On 2-26-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2-24-98 Time: 1030 Operator: SA Hm/65

Ambient Temp. (°F) 52° Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8.5 psig
3. Flow meter reading: 218207 gallons
   20 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.5 psig
9. Flow meter reading: 197648 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 4

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

T+C CONTRACTING, INC.
6301 PENDLETON ROAD
P.O. BOX 72398
LOUISVILLE, KENTUCKY 40272-0398

502/937-3433
FAX/937-8636

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (3-98).

Mr. Forney;

On 3-30-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 3-30-98 Time: 9:30 Operator: Scott Hayes

Ambient Temp. (°F) 70 Weather Conditions: PC

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	11.5	psig
3. Flow meter reading:	225420	gallons
	8	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	6.5	psig
9. Flow meter reading:	189002	gallons
	8	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 4

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (4-98).

Mr. Forney;

On 4-29-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 4-29-98 Time: 4:00 pm Operator: Scott Hayes

Ambient Temp. (°F) 65° Weather Conditions: 45° RAIN

Cox Spring –

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	11.5	psig
3. Flow meter reading:	233302	gallons
	7.5	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	12.0	psig
9. Flow meter reading:	188362	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 4

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

T+C CONTRACTING, INC.
6301 PENDLETON ROAD
P.O. BOX 72398
LOUISVILLE, KENTUCKY 40272-0398

502/937-3433
FAX/937-8636

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (5-98).

Mr. Forney;

On 5-28-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring was found to be operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running. Security fence had been constructed around Klapper Spring, samples will now be taken approximately 50' down stream outside the perimeter of the fenced area. Photos taken of area and sent to Carl Shaw, RUST E&I.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 5-28-98 Time: 1130 Operator: Scott Hayes

Ambient Temp. (°F) 80 Weather Conditions: Sunny

Cox Spring –

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 10.5 psig
3. Flow meter reading: 238231 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 188054 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 4

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (6-98).

Mr. Forney;

On 6-25-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring meter was replaced, system up and operating adequately. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw - RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-25-97 Time: 1500 Operator: Scott Hayes

Ambient Temp. (°F) 95 Weather Conditions: Sunny Hot/Humid

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 10 psig
3. Flow meter reading: 238244 gallons
   9.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: ~~[illegible]~~ 6.0 psig
9. Flow meter reading: 185092 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 4

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

corrosion. Replace meter, brought system up working fine. May need to switch out carbon drums in near future.

Additional Facility Information:

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 7-30-98 Time: 3:00 Operator: Scott Hayes

Ambient Temp. (°F) 80 Weather Conditions: Cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	10	psig
3. Flow meter reading:	238258	gallons
	8.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	10	psig
9. Flow meter reading:	188140	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A ☐		☐

Treatment Building -

13. Number of spent carbon drums in building. 01
14. Number of virgin carbon drums in building. 03

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #	
13	drum change out for CAD Spring

Additional Facility Information:

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8/10/98 Time: 10:00 Operator: Carl Shaw

Ambient Temp. (°F) 90° Weather Conditions: Partly Cloudy, Humid

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 10 psig
3. Flow meter reading: 238295 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☒	☐	☐
5. Exposed pipe insulation in acceptable condition?	☒	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	NA ☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 6 psig
9. Flow meter reading: 188159 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☒	☐	☐
11. Exposed pipe insulation in acceptable condition?	☒	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	NA ☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 3

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☒	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☒	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☒	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☒	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☒	☐	☐
20. Level sensors functional?	☒	☐	☐
21. Pressure switches/actuators functional?	☒	☐	☐
22. Automatic dialer/phone line functional?	☒	☐	☐

Comments

Item #

Additional Facility Information:

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 9-29-94 Time: 1200 Operator: Scott Hughes

Ambient Temp. (°F) 80 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): ~~bypass~~ normal
2. Pressure gauge reading: 15. psig
3. Flow meter reading: 238339 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 8188198 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building –

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 3

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

1 Reservoir seems to be working in reverse with a potential or partial link blockage. System has been reset and turned off until repairs can be made.

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (10-98).

Mr. Forney;

On 10-29-98, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system up and operating in auxiliary. High psi readings for both normal and auxiliary positions. Apparent restriction in line suspect the 3-way valve. Will begin repairs ASAP.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were not taken from Klapper Spring, spring and stream were not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-29 Time: 330 Operator: S Harper

Ambient Temp. (°F) 75 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 15 psig
3. Flow meter reading: 238352 gallons
   6.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 5 psig
9. Flow meter reading: 188215 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 2
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

2 Pigment restriction in line, suspect 3 way valve not working properly, will investigate

Additional Facility Information:

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Report for 11-98

Date: 11-30-98 Time: 8:45pm Operator: Scott Hagen

Ambient Temp. (°F) 50° Weather Conditions: partly cld

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 16 psig
3. Flow meter reading: _____ gallons
   6 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 16 psi psig
9. Flow meter reading: _____ gallons
   7.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. _____
14. Number of virgin carbon drums in building. _____

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

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Additional Facility Information:

Sample bottles not sent this month and no additional bottles kept on site.

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Repeat for 12-98

Date: 1-11-99 Time: 12:00 Operator: S Hayes

Ambient Temp. (°F) 35 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 16 psig
3. Flow meter reading: _____ gallons
   16 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 16 psig
9. Flow meter reading: _____ gallons
   7.6 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A ☐		☐

Treatment Building -

13. Number of spent carbon drums in building. _____
14. Number of virgin carbon drums in building. _____

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

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Additional Facility Information:

Unable to obtain samples and wipes during the month of Dec. due to inaccessible roads to the site.

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (1-99).

Mr. Forney;

On 2-1-99, the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was found to be operating adequately, all system checks performed. Electrical problem still remains with actuator, have contacted Chandler Electric for on-site diagnostic.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found. Noticed erratic tank level readings, possible problem with pressure sensor in pump, will monitor.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2-1-95 Time: 3:00 Operator: S Hayes

Ambient Temp. (°F) 40 Weather Conditions: Cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal		
2. Pressure gauge reading:	15	psig	
3. Flow meter reading:	238408	gallons	
	7	gpm	

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal		
8. Pressure gauge reading:	6.5	psig	
9. Flow meter reading:	185286	gallons	
	8	gpm	

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 2
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City Disposal Site, Operation\Maintenance Report (02-99).

Mr. Forney;

On 3,2,99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system up and operating in auxiliary. High psi readings for both normal and auxiliary positions. Possible problem with 'Time Delay', have sent drawings to Chandler Electric for troubleshooting.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, spring and stream were running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes

Cc: Carl Shaw – RUST E&I

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SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 3-2-99 Time: 1230 Operator: Scott Hughes

Ambient Temp. (°F) 60 Weather Conditions: Pt. Sun

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 15 psig
3. Flow meter reading: 238334 gallons
   6.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.5 psig
9. Flow meter reading: 188317 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A ☐		☐

Treatment Building

13. Number of spent carbon drums in building. 2
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (3-99)

Mr. Forney;

On 4-1-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found. (Please see attached report)
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper spring, 1st sample from the spring, 2nd from normal testing area, and 3rd from the stream intersection approx. 100 ft. downstream of the spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 4-1-99 Time: 3:00 pm Operator: S. Hayes

Ambient Temp. (°F) 60s Weather Conditions: cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: 238476 gallons
   ~~238476~~ gpm
   8.9

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☑	☐	☑

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 60.5 psig
9. Flow meter reading: 0188336 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☑

Treatment Building -

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #	
16	opened drained and flushed tanks
12	opened drained and flushed tank

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (4-99)

Mr. Forney;

On 4-28-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 4-28-99 Time: 3:30 Operator: Scott Hagen

Ambient Temp. (°F) 65 Weather Conditions: Cloudy Rain

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 238582 gallons
   8.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6 psig
9. Flow meter reading: 188368 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (5-99)

Mr. Forney;

On 6-3-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken from Klapper Spring, downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-3-99 Time: 16:00 Operator: S. Hayes

Ambient Temp. (°F) 80 Weather Conditions: Clear

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: 239598 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 188385 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (6-99)

Mr. Forney;

On 6-29-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples taken from Klapper Spring.
- Samples taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-29-99 Time: 330 Operator: S. Hay/RS

Ambient Temp. (°F) 80° Weather Conditions: Partly Cloudy 80

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 238593 gallons
   < gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 12 psig
9. Flow meter reading: 198420 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☑	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (7-99)

Mr. Forney;

On 7-28-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 7-28-99 Time: 3:30 Operator: S. Hayes

Ambient Temp. (°F) 96 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	9.0	psig
3. Flow meter reading:	238645	gallons
	8.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	10	psig
9. Flow meter reading:	198437	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8/5/99 Time: 1010 Operator: Carl Shaw

Ambient Temp. (°F) 80° Weather Conditions: Sunny Calm

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: 238670 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☒	☐	☐
5. Exposed pipe insulation in acceptable condition?	☒	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	NA ☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 188450 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☒	☐	☐
11. Exposed pipe insulation in acceptable condition?	☒	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	NA ☒	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 1

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☒	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☒	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☒	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☒	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☒	☐	☐
20. Level sensors functional?	☒	☐	☐
21. Pressure switches/actuators functional?	☒	☐	☐
22. Automatic dialer/phone line functional?	☒	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (9-99)

Mr. Forney;

On 9-29-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 9-30-99 Time: 3:00 Operator: S Hayes

Ambient Temp. (°F) 70 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7.5 psig
3. Flow meter reading: 238688 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 40.0 psig
9. Flow meter reading: 185473 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. _____
14. Number of virgin carbon drums in building. _____

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

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Additional Facility Information:

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Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (10-99)

Mr. Forney;

On 11-10-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 11-10-98 Time: 12:00 Operator: S. Hayes

Ambient Temp. (°F) 70 Weather Conditions: P. Cldy/Warm

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: 238705 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 5.5 psig
9. Flow meter reading: 188495 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. -0-

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #	
14	leak in Cox Spring GAC 2 changed out
19	Plugged in heat tence for winter
20	installed / Rebuilt / new meter

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
17250 Newburgh Rd., Suite #100
Livonia, MI. 48152

RE: Tri-City disposal Site, Operation\Maintenance Report (11-99)

Mr. Forney;

On 12-1-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were not taken downstream of the security fence, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 12-1-99 Time: 3:00 pm Operator: S. Hayes

Ambient Temp. (°F) 50 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 238719 gallons
   9.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 62 psig
9. Flow meter reading: 188508 gallons
   9.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (12-99)

Mr. Forney;

On 12-31-99 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Samples were taken from Klapper Spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 1-30-19 Time: 12:00 Operator: S. Hayes

Ambient Temp. (°F) 50 Weather Conditions: Cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 238734 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 12 psig
9. Flow meter reading: 188521 gallons
   3.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☐	☑	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

20 Level not functioning call placed to EPG for trouble shoot, will need to return with additional testing equ.

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (01-00)

Mr. Forney;

On 02-04-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2-4-00 Time: 12:20 Operator: S Hayes

Ambient Temp. (°F) 32 Weather Conditions: Cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 238753 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 188540 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (03-00)

Mr. Forney;

On 04-12-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Samples were taken from the spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 4-11-00 Time: 3:00 Operator: S. Hayes

Ambient Temp. (°F) 55 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8.5 psig
3. Flow meter reading: ~~2358~~ 238179 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	~~☑~~/☒	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 7.0 psig
9. Flow meter reading: 185890 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☑	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. -0-

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☐	☐	☐

Comments

Item #	
14	Need additional drums

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (04-00)

Mr. Forney;

On 04-25-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2 DEC 24 Time: 2:00 Operator: S. Hayes

Ambient Temp. (°F) 45 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	7.0	psig
3. Flow meter reading:	238128	gallons
	8.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	6.0	psig
9. Flow meter reading:	188609	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. -0-

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (05-00)

Mr. Forney;

On 06-01-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken at Klapper Spring.
- Samples were taken downstream of the security fence.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6/1/08 Time: 12:30 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 238857 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐/☑		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 10 psig
9. Flow meter reading: 188636 [illegible] gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐/☑		☐

Treatment Building -

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (06-00)

Mr. Forney;

On 07-11-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system up and operating adequately, all system checks performed and no deficiencies found.
- Unnamed Spring #1 was found to be operating adequately, all system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 7-11-20 Time: 2:20 Operator: S. Hayes

Ambient Temp. (°F) 90 Weather Conditions: Partial Hot

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	8.0	psig
3. Flow meter reading:	238788	gallons
	8.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	60.0	psig
9. Flow meter reading:	188464	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building -

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Drums are starting to rust in bottoms will need to replace at least 2

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (07-00)

Mr. Forney;

On 08-8-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring and Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

Carl: We'll contact Chandler Electric to troubleshoot

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8-8-00 Time: 8:00 Operator: S. Hayes

Ambient Temp. (°F) 73 Weather Conditions: Cldy / T. Storms

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 9 psig
3. Flow meter reading: 238916 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☑/☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 12 psig
9. Flow meter reading: 187690 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☑/☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Klaxon Sprinkler not running

Additional Facility Information:

System down and non functional, need to run by hand operation. Apartment lighting not in use. Will contact electrical cont. for assistance.

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8/17/00 Time: 1100 Operator: Carl Shaw (Earth Tech)

Ambient Temp. (°F) 80° Weather Conditions: PC Humid

Cox Spring –

1. Three-way valve position (normal or auxiliary):	Normal	
2. Pressure gauge reading:	8	psig
3. Flow meter reading:	238968	gallons
	8	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☒	☐	☐
5. Exposed pipe insulation in acceptable condition?	☒	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	NA ☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	Normal	
8. Pressure gauge reading:	6	psig
9. Flow meter reading:	188722	gallons
	8	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☒	☐	☐
11. Exposed pipe insulation in acceptable condition?	☒	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	NA ☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 4
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☒	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☒	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☒	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☒	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☒	☐	☐
20. Level sensors functional?	☒	☐	☐
21. Pressure switches/actuators functional?	☒	☐	☐
22. Automatic dialer/phone line functional?	☒	☐	☐

Comments

Item #

Klapper Spring not flowing

Additional Facility Information:

System still down. Will run in "Hand" position but not in automatic position. O&M contractor to get electrical contractor to fix problem.

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (09-00)

Mr. Forney;

On 09-26-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running
- Samples taken from the production discharge ports of Cox Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

Carl;

Update on situation at Tri-City Disposal Site #1

- 9-8-00 – On site with Chandler Electric to trouble shoot electrical system. Informed by EPG to remove and return level meter from Unnamed Spring and the barrier that is located in the electrical panel.

- 9-16-00 – On site and replaced repaired meter and barrier from EPG. Noticed irregular level readings on both systems. Replaced transducer in Cox's Spring and inspected Unnamed Spring. This did not improve the level meter readings. Pumped the holding tanks and cleaned out. Note that the springs are not running.

9-20-00 - On site for drum removal and replacement. Noticed incorrect level meter readings and placed a call to EPG to trouble shoot. Asked to return with additional tools and testing equipment.

9-26-00 – On site for routine testing, Unnamed Spring tank empty spring not running, Cox's Spring had enough to take samples but spring not running. Called EPG to trouble shoot level meter readings, followed instructions but situation did not improve. Asked by EPG to return with additional testing materials.

Please call should you have any questions.

Scott

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 9-26-10 Time: 0830 Operator: S. Hayes

Ambient Temp. (°F) 65 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 239009 gallons
   8.0 gpm

Spring not running

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐ N/A	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: psig
9. Flow meter reading: 188770 gallons
   gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐ N/A	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☑	☐
21. Pressure switches/actuators functional?	☐	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

#17 Unnamed Spring not running, tank empty from work on 9-23-00

#20 Level sensor reading but wrong amount call will be placed to EPG.

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (10-00)

Mr. Forney;

On 11-07-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating, all system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating, all system checks performed by hand and no deficiencies found. Tank was emptied during maintenance process. Spring is not running.
- Samples taken from the production discharge ports of Cox Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 11-7-02 Time: 4:30 Operator: S. Hayes

Ambient Temp. (°F) 78 Weather Conditions: Partly Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: _____ gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 0 psig
9. Flow meter reading: _____ gallons
   0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☐	☑	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

22 Bm tests according to EPG tech, all transducers on site are shorted.

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (11-00)

Mr. Forney;

On 11-25-00 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating. Replaced transducer according to manufacturer's recommendation and have determined that further electrical problems exists. Have made arrangements to troubleshoot system. All system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was found to be down and not operating. Replaced transducer according to manufacturer's recommendation, system up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring.
- Samples were taken downstream of the security fence at Klapper Spring.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 11-25-01 Time: 0700 Operator: S. Hayes

Ambient Temp. (°F) 43 Weather Conditions: RAIN

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8.5 psig
3. Flow meter reading: 259036 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.5 psig
9. Flow meter reading: 157784 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 3

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #	
19	Setup, reset on drum heaters
20	Replaced trans. diaphram, not getting good level readings at meter. Scheduled to call EPG on Monday 11-27-12

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (12-00)

Mr. Forney;

On 01-04-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating. All system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 1-4-01 Time: 330 Operator: S. Hayes

Ambient Temp. (°F) 35 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7.5 psig
3. Flow meter reading: 239060 gallons
   8.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐/NA	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 7 psig
9. Flow meter reading: 188840 gallons
   ~~8.5~~ 8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐/NA	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Buiilding is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (01-01)

Mr. Forney;

On 01-25-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox spring system was found down and not operating. All system checks performed by hand and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring.
- Samples were <u>not</u> taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 1-25-01 Time: 09:00 Operator: S. Hayes

Ambient Temp. (°F) 40 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 10 psig
3. Flow meter reading: 2350?1 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 7.6 psig
9. Flow meter reading: 1388835 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (02-01)

Mr. Forney;

On 03-01-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 3-1-01 Time: 12:00 Operator: Scott Hayes

Ambient Temp. (°F) 45 Weather Conditions: PTLY cldy

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 2187622 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☒ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.5 psig
9. Flow meter reading: _____ gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☒ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Fomey
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (03-01)

Mr. Fomey;

On 04-12-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were <u>not</u> taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- END OF REPORT.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-12-01 Time: 0200 Operator: S. Hayes

Ambient Temp. (°F) 75 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	8	psig
3. Flow meter reading:	259656	gallons
	8	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ NA	☒	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	60.0	psig
9. Flow meter reading:	185716	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ NA	☒	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (04-01)

Mr. Forney;

On 05-07-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 5-7-01 Time: 02:00 Operator: S. Hayes

Ambient Temp. (°F) 80° Weather Conditions: PtlyCldy 80°

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: ~~70~~ 7.0 psig
3. Flow meter reading: 3660334 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 10 psig
9. Flow meter reading: 1913016 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (05-01)

Mr. Forney;

On 05-29-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 5-29-01 Time: 0900 Operator: S. Hayes

Ambient Temp. (°F) 80 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	8	psig
3. Flow meter reading:	262800	gallons
	5	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	6	psig
9. Flow meter reading:	193213	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☐	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (06-01)

Mr. Forney;

On 06-27-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-27-01 Time: 08:00 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: Partly Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 264043 gallons
   8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 10 psig
9. Flow meter reading: 85419 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. _____
14. Number of virgin carbon drums in building. _____

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☐	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☐	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☐	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☐	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☐	☐	☐
20. Level sensors functional?	☐	☐	☐
21. Pressure switches/actuators functional?	☐	☐	☐
22. Automatic dialer/phone line functional?	☐	☐	☐

Comments

Item #

_____ _____
_____ _____
_____ _____
_____ _____
_____ _____
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Additional Facility Information:

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Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (07-01)

Mr. Forney;

On 08-01-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8-1-01 Time: 1200 Operator: S. Hayes

Ambient Temp. (°F) 90 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 264901 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: ~~6~~ 8 psig
9. Flow meter reading: 196841 gallons
   10.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☐	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☒	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 3

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (08-01)

Mr. Forney;

On 09-05-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge ports of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Samples were taken from Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 7-5-01 Time: 1:00 Operator: Scott Hayes

Ambient Temp. (°F) 85 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 265526 ~~19~~ gallons; 8.0 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 6.5 psig
9. Flow meter reading: 157449 gallons; 7.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. _____
14. Number of virgin carbon drums in building. _____

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

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Additional Facility Information:

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Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (09-01)

Mr. Forney;

On 09-27-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port and pre-process port of Cox Spring.
- Samples taken from the production discharge port and pre-process port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Samples were not taken from Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 9-27-01 Time: 1330 Operator: S. Hayes

Ambient Temp. (°F) 70 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	8.0	psig
3. Flow meter reading:	246378	gallons
	8	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	7.5	psig
9. Flow meter reading:	198570	gallons
	7.5	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. ✓
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (10-01)

Mr. Forney;

On 10-30-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 10-30-04 Time: 4:20 Operator: S Hayes

Ambient Temp. (°F) 60 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 209818 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 8 psig
9. Flow meter reading: 201488 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (11-01)

Mr. Forney;

On 11-28-01 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring, spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 11-28-01 Time: 400 Operator: S Hayes

Ambient Temp. (°F) 50 Weather Conditions: cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 8 psig
3. Flow meter reading: 27772 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 8.0 psig
9. Flow meter reading: 2042790 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
19200 W. 8 Mile Rd.
Southfield, MI. 48075

RE: Tri-City disposal Site, Operation\Maintenance Report (12-01)

Mr. Forney;

On 01-04-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 1-4-01 Time: 3 00 Operator: S. Hanks

Ambient Temp. (°F) 35 Weather Conditions: Sunny cold

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 10 psig
3. Flow meter reading: 287417 gallons
   7.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☒	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 10 psig
9. Flow meter reading: 210708 gallons
   7.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☒	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, Ste A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (01-02)

Mr. Forney;

On 01-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Samples were taken from Klapper Spring.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 1-31-02 Time: 300 Operator: S. Hayes

Ambient Temp. (°F) 65 Weather Conditions: Cloudy/clear

Cox Spring

1. Three-way valve position (normal or auxiliary):	Normal	
2. Pressure gauge reading:	9.0	psig
3. Flow meter reading:	295314	gallons
	7.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☒	☐	☐
5. Exposed pipe insulation in acceptable condition?	☒	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☒/☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	Normal	
8. Pressure gauge reading:	10	psig
9. Flow meter reading:	214907	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☐	☐	☐
11. Exposed pipe insulation in acceptable condition?	☐	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 1
14. Number of virgin carbon drums in building. 2

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Carl Shaw
EarthTech
3033 Campus Dr.
Minneapolis, MN. 55441

Re: Bi-Yearly clean up.

Carl;

On 2-16-02 we were on site to perform bi-yearly cleanup and solids removal from holding tanks.

- Cox Spring – no appreciable amount of solids in tank, cleaned off tank pad and surrounding area.
- UnNamed Spring – small amount of solids in tank, cleaned and flushed. Rust is developing at the bottom of holding tank extending approximately 6" up. Rust was scraped off and a diverter placed below overflow outlet to reduce the chances of additional moisture coming in contact with this area. Recommend a coating to prevent further damage to tank. Cleaned off tank pad. Removed debris, rock, dirt and mud from pea gravel check dam also cleaned filter fabric covering check dam. Check dam had approximately 18" of eroded material covering 75% of check dam.
- Filter House – cleaned and removed debris and trash from area. Changed out leaking drums. Both Cox Spring and UnNamed Spring drums had bottoms rusted out and leaking. One drum on Cox Spring has rust holes developing around effluent bung. Recommend the use of plastic drums if available. Used all virgin drums to change out damaged drums. No virgin drums on site, three used drums. We will need at least two additional drums due to high pressures on Cox Spring. Elevated all active drums to reduce any further damage to drums.
- End

If you have any questions concerning this or any other monthly report please contact me at your convenience.

Thank you,

Scott Hayes

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, Ste A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (02-02)

Mr. Forney;

On 02-28-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 2-28-03 Time: 3:00 Operator: Scott Hayes

Ambient Temp. (°F) 35 Weather Conditions: Sunny/cold

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 9.5 psig
3. Flow meter reading: 303452 gallons
   7 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 6 psig
9. Flow meter reading: 219106 gallons
   8.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 3
14. Number of virgin carbon drums in building. 0

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

12 On site 2-16-02 cleaned and flushed tanks cleaned tank pad

12 See above

14 NO drums for replacement or change out CO Spring may need additional change out due to high pressures

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (03-02)

Mr. Forney;

On 03-25-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- Changed out spent drums, received new drums from North American Aqua.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

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SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 3-25-02 Time: 11:00 Operator: S. Hayes

Ambient Temp. (°F) 50 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 9 psig
3. Flow meter reading: 312527 gallons
   8.5 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 4 psig
9. Flow meter reading: 224390 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 0

14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

13, 14 North American Aqua on site change out 4 spent drums & received 6 new drums. Placed 1 new drum in line on Cox Spring

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (04-02)

Mr. Forney;

On 04-30-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Samples were taken from the spring at Klapper Spring for quarterly sampling.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 4-30-12 Time: 2 30 Operator: S. Hayes

Ambient Temp. (°F) 70 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): normal
2. Pressure gauge reading: 0 psig
3. Flow meter reading: 330482 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): normal
8. Pressure gauge reading: 0 psig
9. Flow meter reading: 229540 gallons
   8.5 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	Yes	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (05-02)

Mr. Forney;

On 05-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was not running. Problem with float switch, call placed to electrical support. Will set up time to trouble shoot.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 5-31-02 Time: 3:00 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary):	normal	
2. Pressure gauge reading:	0	psig
3. Flow meter reading:	334955	gallons
	0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☒ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	normal	
8. Pressure gauge reading:	6	psig
9. Flow meter reading:	233703	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☒ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☑	☑
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

20 C.S. float switch not operating properly will call electrician

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (06-02)

Mr. Forney;

On 06-27-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 6-27-02 Time: 3:00 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: partly cloudy

Cox Spring

1. Three-way valve position (normal or auxiliary):	Normal	
2. Pressure gauge reading:	7.0	psig
3. Flow meter reading:	334990	gallons
	8.0	gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	N/A ☐		☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary):	Normal	
8. Pressure gauge reading:	6.0	psig
9. Flow meter reading:	234976	gallons
	8.0	gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	N/A ☐		☐

Treatment Building -

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (07-02)

Mr. Forney;

On 07-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 7-31-02 Time: 4:00 Operator: S. Hayes

Ambient Temp. (°F) 95 Weather Conditions: Sunny Hot

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 346776 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☑	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 6 psig
9. Flow meter reading: 236090 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☑	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (08-02)

Mr. Forney;

On 08-29-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were not taken downstream of the security fence at Klapper Spring spring not running.
- Security fence around Klapper Spring was found in good condition.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 8-29-02 Time: 3:00 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: Sunny

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 7 psig
3. Flow meter reading: 337526 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 6.0 psig
9. Flow meter reading: 2316441 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐ N/A	☐	☐

Treatment Building -

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (09-02)

Mr. Forney;

On 09-30-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring spring running.
- Samles taken from Unnamed Spring #1.
- Security fence around Klapper Spring has been damaged by a fallen tree. Fence is still functional with minor damage to a top support rail. Please advise.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 9-30-02 Time: 3:00 Operator: S. Hayes

Ambient Temp. (°F) 85 Weather Conditions: Partly Cldy

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 7.6 psig
3. Flow meter reading: 339652 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	☐	☒	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 7.0 psig
9. Flow meter reading: 239124 gallons
   8 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☐	☑	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	☐	☒	☐

Treatment Building -

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

Comments

Item #

Additional Facility Information:

Mr. James Forney
Waste Management Inc.
Heritage Office Park West
3970 Heritage Av, A
Okemos, MI. 48864

RE: Tri-City disposal Site, Operation\Maintenance Report (10-02)

Mr. Forney;

On 10-31-02 the operations and maintenance requirements were performed at the Tri-City disposal site according to the O&M plan.

- Treatment building was found in good condition with no serious deficiencies found.
- Cox Spring system was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Cox Spring.
- Unnamed Spring #1 was up and running. All system checks performed and no deficiencies found.
- Samples taken from the production discharge port of Unnamed Spring #1.
- Samples were taken downstream of the security fence at Klapper Spring, spring running.
- All samples sent for analysis.
- Lightning and electrical protection at Treatment building in place and functioning.
- End of report.

Please call should you have any questions regarding this or any other maintenance report.

Thank you,

Scott A. Hayes
Cc: Carl Shaw

SYSTEM OPERATION AND INSPECTION LOG
TRI-CITY INDUSTRIAL DISPOSAL SITE
OPERABLE UNIT #1

Date: 10-31-02 Time: 12:00 Operator: S. Hayes

Ambient Temp. (°F) 50 Weather Conditions: cldy

Cox Spring

1. Three-way valve position (normal or auxiliary): Normal
2. Pressure gauge reading: 8.0 psig
3. Flow meter reading: 345827 gallons
   8 gpm

	Yes	No	Action Required
4. General housekeeping/debris around Collection Tank and Spring House is acceptable?	☑	☐	☐
5. Exposed pipe insulation in acceptable condition?	☑	☐	☐
6. Significant accumulation of solids in Collection Tank or Spring House?	~~☐~~ N/A	☐	☐

Unnamed Spring #1

7. Three-way valve position (normal or auxiliary): Normal
8. Pressure gauge reading: 7.5 psig
9. Flow meter reading: 215451 gallons
   8.0 gpm

	Yes	No	Action Required
10. General housekeeping/debris around Collection Tank and Collection Structure is acceptable?	☑	☐	☐
11. Exposed pipe insulation in acceptable condition?	☑	☐	☐
12. Significant accumulation of solids in Collection Tank or Collection Structure?	~~☐~~ N/A	☐	☐

Treatment Building

13. Number of spent carbon drums in building. 0
14. Number of virgin carbon drums in building. 5

	Yes	No	Action Required
15. General housekeeping/debris around Treatment Building is acceptable?	☑	☐	☐
16. Building structure (roof, doors, paint) in acceptable condition?	☑	☐	☐
17. Any leaking pipes, fittings, valves, equipment?	☐	☑	☐
18. First aid kit, emergency eye wash, fire extinguisher in acceptable condition?	☑	☐	☐
19. Heat tracing and drum heaters in acceptable condition?	☑	☐	☐
20. Level sensors functional?	☑	☐	☐
21. Pressure switches/actuators functional?	☑	☐	☐
22. Automatic dialer/phone line functional?	☑	☐	☐

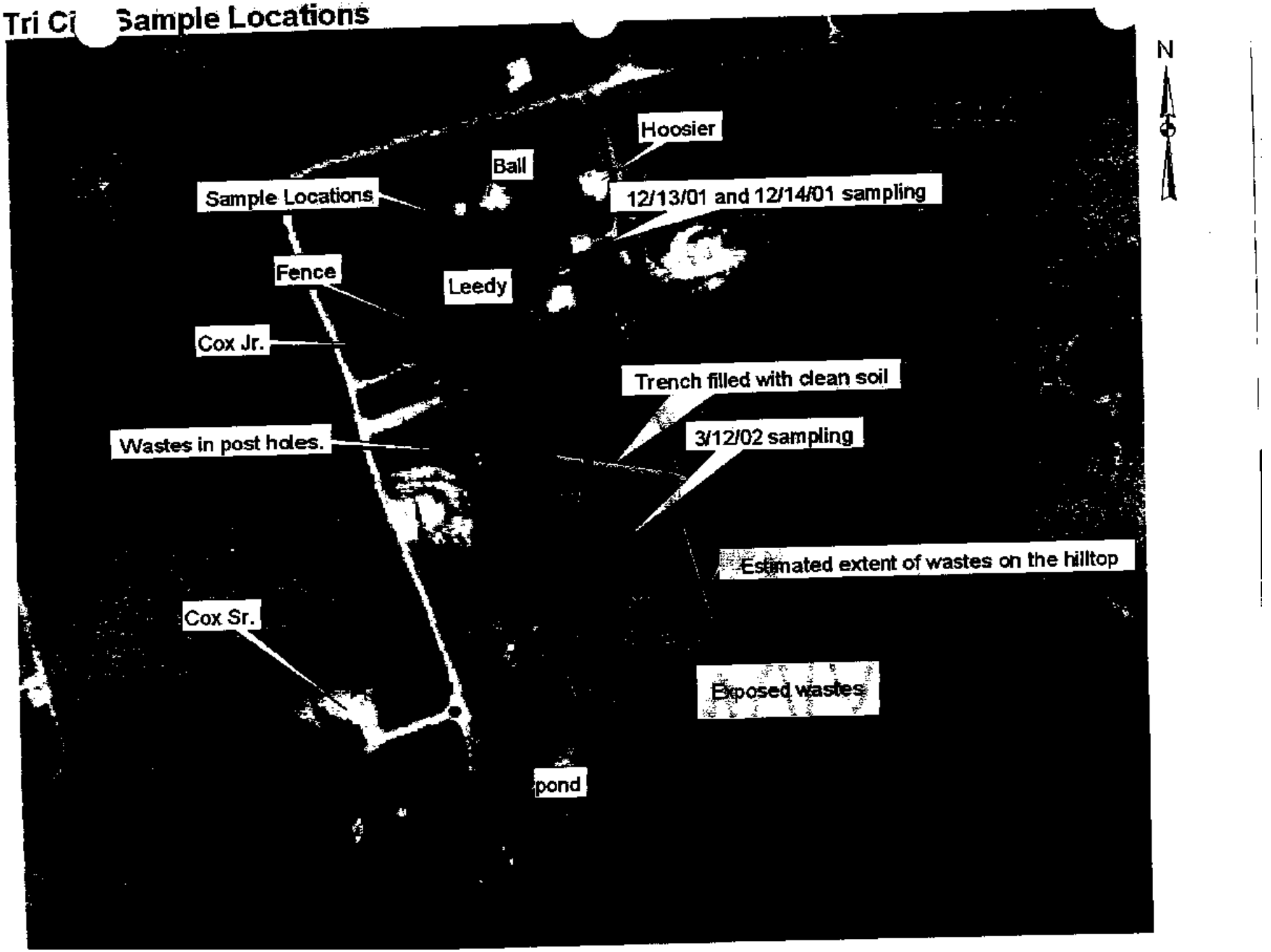
Comments

Item #	
19	Applied drum heaters and set for winter

Additional Facility Information:

Attachment D

Results of KDEP Soil Sampling


Tri Ci Sample Locations
N
Hoosier
Ball
Sample Locations
12/13/01 and 12/14/01 sampling
Fence
Leedy
Cox Jr.
Trench filled with clean soil
3/12/02 sampling
Wastes in post holes.
Estimated extent of wastes on the hilltop
Cox Sr.
Exposed wastes
pond

Draft Summary
See Lab SI

TAL - 2
Dioxin/Furan Results**
Tri City Industrial Disposal
Bullitt County
March 2002

Analytes	TEF's	TC-1S		TC-1D		TC-2S		TC-2D		TC-3s	
		PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's
2,3,7,8-TCDD	1		0.2		0.15		0.15		0.48		0.05
1,2,3,7,8-PeCDD	0.5		0.275	0.54	0.27		0.05	0.82	0.41		0.155
1,2,3,4,7,8-HxCDD	0.1	1.1	0.11	0.58	0.058	0.46	0.046	0.93	0.093	0.55	0.056
1,2,3,6,7,8-HxCDD	0.1	3	0.3	1.9	0.19	0.69	0.069	2.2	0.22	1.2	0.12
1,2,3,7,8,9-HxCDD	0.1	4	0.4	3.6	0.36	1.9	0.19	3	0.3	1.7	0.17
1,2,3,4,6,7,8-HpCDD	0.01	74.7	0.747	68.2	0.682	28.6	0.286	82.7	0.827	24.9	0.249
OCDD	0.001	1900	1.9	2570	2.57	3040	3.04	6420	6.42	1650	1.65
2,3,7,8-TCDF	0.1	3.3	0.33	2.9	0.29		0.085	3.2	0.32	0.5	0.05
1,2,3,7,8-PeCDF	0.05		0.0375		0.03	1.7	0.085	6.5	0.325	0.24	0.012
2,3,4,7,8-PeCDF	0.5	2.4	1.2	1.4	0.7		0.1575	2.3	1.15		0.0675
1,2,3,4,7,8-HxCDF	0.1	7	0.7	5.9	0.59	2.4	0.24	9.1	0.91	0.8	0.08
1,2,3,6,7,8-HxCDF	0.1	4	0.4	2	0.2	0.91	0.091	5.1	0.51	0.46	0.046
2,3,4,6,7,8-HxCDF	0.1	3.9	0.39	3.2	0.32	1.4	0.14	2.4	0.24	0.42	0.042
1,2,3,7,8,9-HxCDF	0.1	0.9	0.09	0.44	0.044		0.01	4.8	0.48	0.15	0.015
1,2,3,4,7,8-HpCDF	0.01	38.8	0.388	22.5	0.225	6.3	0.063	34.3	0.343	4.7	0.047
1,2,3,4,7,8,9-HpCDF	0.01	3	0.03		0.009	0.67	0.0067	20.1	0.201	0.34	0.0034
OCDF	0.001	51	0.051	30.2	0.0302	6.3	0.0063	84.4	0.0844	5.8	0.0058
Total TEQ's (ppt)											

TEF = Toxicity Equivalency Factors (U.S. EPA, 1989; Ahlborg, et.al., 1994)

TEQ = Toxic Equivalency (OSWER Directive 9200.4-26, *Approach for Addressing Dioxin in Soil at CERCLA and RCRA Site*, establishes 1 ppb dioxins/furans (TEQ's) as the recommended clean-up goal for residential soils.

TEQ = Toxic Equivalency (EPA Region IX has established Preliminary Remediation Goals at 3.8 ppt for residential sites and 30 ppt for industrial settings.

* TEQ computed using ITEF and setting non detected analytes with a concentration half the calculated detection limit or the EMPC.

** Previous studies have established dioxin background at 8ppt at this site.

Draft Summary
See Lab Reports

TABLE 2 - continued
Dioxin/Furan Results
Tri City Industrial Disposal
Bullitt County
March 2002

TC-3D		TC-4S		TC-4D		TC-5S		TC-5D	
PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's
	0.39		0.05		0.1		0.1		34.5
	0.025		0.0225		0.1625	0.56	0.28	112	56
0.52	0.052		0.005	0.58	0.058	0.76	0.076	186	18.6
3	0.3		0.005	0.6	0.06	2.2	0.22	633	63.3
1.7	0.17	0.67	0.067	1	0.1	3.3	0.33	825	82.5
140	1.4	8.9	0.089	11.9	0.119	58.9	0.589	17950	179.5
5900	5.9	857	0.857	2170	2.17	3210	3.21	74840	74.84
2.3	0.23		0.005		0.0195	2.8	0.28	101	10.1
2.1	0.105		0.00225		0.02325		0.0175	27	1.35
	0.126		0.0225	0.58	0.29	1.4	0.7	46.3	23.15
0.98	0.098	0.43	0.043	0.64	0.064	5.4	0.54	87.5	8.75
0.47	0.047		0.0045	0.69	0.069	1.9	0.19	33.9	3.39
0.77	0.077	0.21	0.021	0.58	0.058	3.3	0.33	38.6	3.86
0.59	0.059		0.0045	1	0.1	0.33	0.033		0.7
17	0.17	1.3	0.013	0.67	0.0067	21.2	0.212	1050	10.5
1.3	0.013		0.0005	0.97	0.0097	1.5	0.015	44.5	0.445
25	0.025	0.98	0.00098	1.5	0.0015	19.9	0.0199	3100	3.1

Sample Name	Dioxin report name	Map location -- blue
TC-1S	AB52892	1
TC-1D	AB52893	1
TC-2S	AB52894	2
TC-2D	AB52895	2
TC-3S	AB52896	3
TC-3D	AB52897	3
TC-4S	AB52898	4
TC-4D	AB52899	4
TC-5S	AB52900	5
TC-5D	AB52901	5

Draft
Summary
See Lab sheets

TABLE 3
PCB and Metals Summary
Tri City Industrial Disposal
Bullitt County
March 2002

Sample	depth	Arochlor 1248	Ar 1254	Ar 1260	combined arochlors	arochlor det lim	Lead	Barium	Cadmium	Chromium	Copper
TC1-S	0-.5ft					0.026	25.1	82.6	u .948	9.73	10.6
TC1-D	.5-1 ft	0.16		0.11	0.27	0.025	138	178	0.637	16.8	59.2
TC2-S	0-.5ft					0.025	24.6	100	u .981	16.7	12.6
TC2-D	1-1.5 ft			0.23	0.23	0.024	29.9	103	0.53	15.7	12.4
TC3-S	0-.5ft					0.024	41.1	45.4	u .930	18.5	7.35
TC3-D	2.5-3ft			0.099	0.099	0.025	73.1	62.8	0.395	198	94.1
TC4-S	0-.5ft					0.026	21	94.4	0.343	16.1	6.38
TC4-D	3.5-4ft					0.025	21.5	68.3	u 0.788	12.1	5.55
TC5-S	0-.5ft					0.023	59.2	181	0.201	15.7	14.7
TC5-D	3.5-4ft		2.2	1.4	3.6	0.026	1430	2470	11.3	200	39.2

Blank space = nondetect.

Draft
Summary
See original
Lab sheets

TABLE 1
Dioxin/Furan Results**
Tri City Industrial Disposal, Bullitt County
December 2001

Analytes	TEF's	1-TC-CJ-1S		3-TC-CJ-2S		5-TC-LY-1S		7-TC-LY-2S		9-TC-BL-1S		11-TC-BL-2S	
		PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's
2,3,7,8-TCDD	1		0.05		0.2		0.1		0.15		0.1		0.1
1,2,3,7,8-PeCDD	0.5		0.085		0.1		0.05		0.075		0.075		0.05
1,2,3,4,7,8-HxCDD	0.1	0.47	0.047		0.03		0.01		0.02		0.015		0.0135
1,2,3,6,7,8-HxCDD	0.1	1.3	0.13		0.03		0.01		0.02		0.015	0.62	0.062
1,2,3,7,8,9-HxCDD	0.1		0.0425		0.03	1.3	0.13	0.39	0.039	0.55	0.055	0.69	0.069
1,2,3,4,6,7,8-HpCDD	0.01	14.25	0.1425	17.7	0.177	14.8	0.148	9.1	0.091	16.9	0.169	12.7	0.127
OCDD	0.001	484.5	0.4845	608	0.608	1550	1.55	1150	1.15	795	0.795	346	0.346
2,3,7,8-TCDF	0.1	0.59	0.059		0.005	8.1	0.81		0.01		0.01		0.01
1,2,3,7,8-PeCDF	0.05		0.0025		0.01	3.1	0.155		0.0075		0.005		0.005
2,3,4,7,8-PeCDF	0.5	0.44	0.22		0.075	3.7	1.85		0.05		0.05		0.05
1,2,3,4,7,8-HxCDF	0.1	0.74	0.074		0.015	5.4	0.54	0.5	0.05		0.028		0.0151
1,2,3,6,7,8-HxCDF	0.1	0.5	0.05		0.015	2.8	0.28		0.01		0.01		0.01
2,3,4,6,7,8-HxCDF	0.1	0.57	0.057		0.015	3.6	0.36		0.01	0.21	0.021		0.01
1,2,3,7,8,9-HxCDF	0.1		0.01		0.02	0.84	0.084		0.015		0.015		0.01
1,2,3,4,7,8-HpCDF	0.01	3.5	0.035	1.8	0.018	8.8	0.088	1.3	0.013	2.5	0.025	3.1	0.031
1,2,3,4,7,8,9-HpCDF	0.01	0.77	0.0077		0.0035	3.6	0.036		0.002		0.002		0.0015
OCDF	0.001	5.6	0.0056		0.0016	9.3	0.0093	2.5	0.0025	2.3	0.0023	2.8	0.0028
Total TEQ's (ppt)													

TEF = Toxicity Equivalency Factors (U.S. EPA, 1989; Ahlborg, et.al., 1994)

TEQ = Toxic Equivalency (OSWER Directive 9200.4-26, *Approach for Addressing Dioxin in Soil at CERCLA and RCRA Site*, establishes 1 ppb dioxins/furans (TEQ's) as the recommended clean-up goal for residential soils.

TEQ = Toxic Equivalency (EPA Region IX has established Preliminary Remediation Goals at 3.8 ppt for residential sites and 30 ppt for industrial settings.

* TEQ computed using ITEF and setting non detected analytes with a concentration half the calculated detection limit or EMPC (highlighted).

** Previous studies have established dioxin background at 8ppt at this site.

Sample Name	Dioxin report name		Map location -- red	
1-TC-CJ-1S	AB37013		1	
3-TC-CJ-2S	AB37014		3	
5-TC-LY-1S	AB37015		5	
7-TC-LY-2S	AB37016		7	
9-TC-BL-1S	AB37017		9	
11-TC-BL-2S	AB37018		11	
13-TC-POND-SED	AB37019		13	
14-TC-HS-1S	AB37020		14	
16-TC-CS-2S	AB37021		16	
18-TC-CS-1S	AB37022		18	
20-TC-CS-2S	AB37023		20	
22-TC-MG-1S	AB37024		22	
24-TC-CL-1S	AB37025		24	
9-TC-BL-1S DUPE	AB37026			
26-TC-RINSATE	AB37027			

TABLE 1, continued
Dioxin/Furan Results
Tri City Industrial Disposal, Bullitt County
December 2001

13-TC-POND		14-TC-HS-1S		16-TC-CS-2S		18-TC-CS-1S		20-TC-CS-2S		22-TC-MG-1S		24-TC-CL-1S		26-TC-RINSATE	
PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's	PPT	TEQ's
[redacted]	0.1	[redacted]	0.1	[redacted]	0.05	[redacted]	0.1	[redacted]	0.15	[redacted]	0.1	[redacted]	0.15	[redacted]	3.45
[redacted]	0.05	[redacted]	0.05	[redacted]	0.14	0.47	0.235	[redacted]	0.325	[redacted]	0.075	[redacted]	0.1	14.4	7.2
[redacted]	0.01	0.72	0.072	0.56	0.056	0.48	0.048	0.62	0.062	[redacted]	0.01	[redacted]	0.02	9.5	0.95
[redacted]	0.01	3.4	0.34	1.4	0.14	1.5	0.15	2.6	0.26	0.37	0.037	[redacted]	0.02	11.5	1.15
[redacted]	0.01	3.4	0.34	1.4	0.14	1.9	0.19	3.7	0.37	0.41	0.041	[redacted]	0.02	12.9	1.29
0.94	0.094	1.6	0.16	1.7	0.17	43.6	0.436	71.8	0.718	11.6	0.116	5.1	0.051	12.1	0.121
9.4	0.094	56.1	0.561	33.1	0.331	834	0.834	1350	1.35	268	0.268	270	0.27	32.5	0.0325
491	0.491	1470	1.47	797	0.797	[redacted]	0.0075	[redacted]	0.02	[redacted]	0.01	[redacted]	0.015	[redacted]	0.315
[redacted]	0.005	[redacted]	0.044	2.3	0.23	[redacted]	0.0025	[redacted]	0.0075	[redacted]	0.005	[redacted]	0.0075	16.5	0.825
[redacted]	0.0025	0.69	0.0345	[redacted]	0.01375	[redacted]	0.025	[redacted]	0.075	[redacted]	0.05	[redacted]	0.075	[redacted]	2.4
[redacted]	0.025	[redacted]	0.19	1.1	0.55	[redacted]	0.0025	1.1	0.11	0.37	0.037	0.3	0.03	10	1
[redacted]	0.005	2.6	0.26	2.8	0.28	[redacted]	0.005	0.47	0.047	[redacted]	0.005	[redacted]	0.01	[redacted]	0.455
[redacted]	0.005	2.2	0.22	1.1	0.11	[redacted]	0.036	0.5	0.05	[redacted]	0.005	[redacted]	0.01	8.2	0.82
[redacted]	0.005	2.7	0.27	0.98	0.098	0.36	0.01	0.47	0.047	[redacted]	0.01	[redacted]	0.01	14.8	1.48
[redacted]	0.01	[redacted]	0.01	[redacted]	0.01	[redacted]	0.027	4.3	0.043	1.3	0.013	0.86	0.0086	10.9	0.109
1.5	0.015	51.8	0.518	10.4	0.104	2.7	0.001	[redacted]	0.0015	[redacted]	0.001	[redacted]	0.0015	13.7	0.137
[redacted]	0.002	0.87	0.0087	0.53	0.0053	[redacted]	0.0046	9.4	0.0094	2.8	0.0028	1.3	0.0013	24.2	0.0242
5.1	0.0051	29.7	0.0297	12.1	0.0121	4.6	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Attachment E

Community Involvement Interviews

5-Year Review Questionnaire

Site Jii-City Industrial Disposal Site
City/State Brooks, Bullitt County, Ky

Date: 3/27/03 Phone No. (502) 955-7560

Name of Citizen Rodney Leedy

Address 165 Klapper Road
Brooks, Ky. 40109

How long have you lived near the Site? built in 1996 May

Are you familiar with EPA activities over the past years? somewhat

Do you still have any concerns regarding EPA clean up activities of the Site?
Not really but I'm still has a question about their property. The Cox property was released up - the only thing separates property is a fence & his was never touched. Why not?

Overall, have you been pleased or displeased with EPA actions at this Site?
Questions - displeased at time because his property was not touched.

Do you think you have been adequately informed about clean up activities at the Site?
more or less

Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
No

Is there someone else that you would like to recommend we contact for more information?
No

Do you have any suggestions that EPA can implement to improve communication with the public? Nothing other than keeping them up to date on what is going on.

[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at

Interview conducted by: Diane Barrett
Date conducted : 3/27/03

5-Year Review Questionnaire

Site Tri-City Industrial Disposal Site

City/State Brooks, Bullitt County, Ky.

Date: March 24, 2003 Phone No. (502)955-7855

Name of Citizen W.C. Hoosier

Address 115 Klapper Road
Brooks, Ky. 40109

How long have you lived near the Site? 25-26 yrs.

Are you familiar with EPA activities over the past years? Yes

Do you still have any concerns regarding EPA clean up activities of the Site?
→ Some problems - need fill dirt on landfill - it does not look good - objects are sticking up - he was told last year that dirt would be brought in, but it never was.

Overall, have you been pleased or displeased with EPA actions at this Site?
More or less - need to keep landfill covered

Do you think you have been adequately informed about clean up activities at the Site?
Yes

Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
Nothing

Is there someone else that you would like to recommend we contact for more information?
Roger Leedy (502) 955-7560

Do you have any suggestions that EPA can implement to improve communication with the public?
No

[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at ______

Interview conducted by: Diane Barrett
Date conducted : 3/27/03

5-Year Review Questionnaire

Site Tri-City Industrial Disposal Site
City/State Brooks, Bullitt County, Ky.

Date: March 24, 2003 Phone No. (502) 957-4586

Name of Citizen Mrs. Roger L. Klapper

Address 408 Klapper Road
Brooks, Ky. 40109

How long have you lived near the Site? 30+ years

Are you familiar with EPA activities over the past years? yes

Do you still have any concerns regarding EPA clean up activities of the Site?
Yes, home built where site located - house on a portion of landfill - Mrs. Cox (Betty) died of cancer about the year ago - Saw most everything brought into landfill, but did not see it come out when EPA "cleaned up" the site.

Overall, have you been pleased or displeased with EPA actions at this Site? strips
• Very displeased - they only dug in areas/spots - they did not conduct an overall clean-up -- the landfill burned many times - just [illegible] - there is no way everything could have been dug up.

Do you think you have been adequately informed about clean up activities at the Site?
• Not really - they had attorneys to make owners of landfill stop - a lot of sickness - did not have sickness before moving there

Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
• Used spring for years before finding out spring was contaminated. They were shocked that they were not told about the situation, EPA knew for a year without telling them. They furnished spring water to the Cox family. Can't use garden -

Is there someone else that you would like to recommend we contact for more information?
M/M Cox

Do you have any suggestions that EPA can implement to improve communication with the public? More informative, take more interest in what is going on. Stop any kind of dumping around houses.

[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at ____________

Interview conducted by: Diane Barrett
Date conducted : 3/24/03

5-Year Review Questionnaire

Site Tri-City Industrial Disposal Site
City/State Bonkers, Bullitt County, Ky

Date: 8/24/03 Phone No. (502) 955-6439

Name of Citizen William D. Cox, Jr.

Address 205 Klapper Road (Brooks)
Bonkers, Ky 40165

How long have you lived near the Site? 35 years

Are you familiar with EPA activities over the past years? yes

Do you still have any concerns regarding EPA clean up activities of the Site?
No

Overall, have you been pleased or displeased with EPA actions at this Site?
Pleased -- still test his property

Do you think you have been adequately informed about clean up activities at the Site?

Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
No

Is there someone else that you would like to recommend we contact for more information?
Hoosier

Do you have any suggestions that EPA can implement to improve communication with the public? Keep them up to date

[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at

Interview conducted by: Lisa Barrett
Date conducted : 8/27/03

5-Year Review Questionnaire

Site Tri-City Industrial Disposal Site
City/State Brooks, Bullitt County, Ky.

Date: 3/04/03 Phone No. (502) 543-2415

Name of Citizen Mr. Ned Fitzgibbons, Director

Address Bullitt County Health Dept.
Shepherdsville, Ky.

How long have you lived near the Site? N/A

Are you familiar with EPA activities over the past years? Since 1988

Do you still have any concerns regarding EPA clean up activities of the Site?
Have not heard anything in 5 years - Y

Overall, have you been pleased or displeased with EPA actions at this Site?
Assuming EPA did what they said they would do - he would be pleased

Do you think you have been adequately informed about clean up activities at the Site?
No one has contacted him in over 5 years.

Is there any information about the Site that you would like to share with us that would assist in our 5-year review of site activities?
No

Is there someone else that you would like to recommend we contact for more information?
No

Do you have any suggestions that EPA can implement to improve communication with the public?

[A copy of the 5-year review will be placed in the Site Information Repository file located in the Site Information Repository at

Interview conducted by: Dina Barrett
Date conducted : 3/24/03